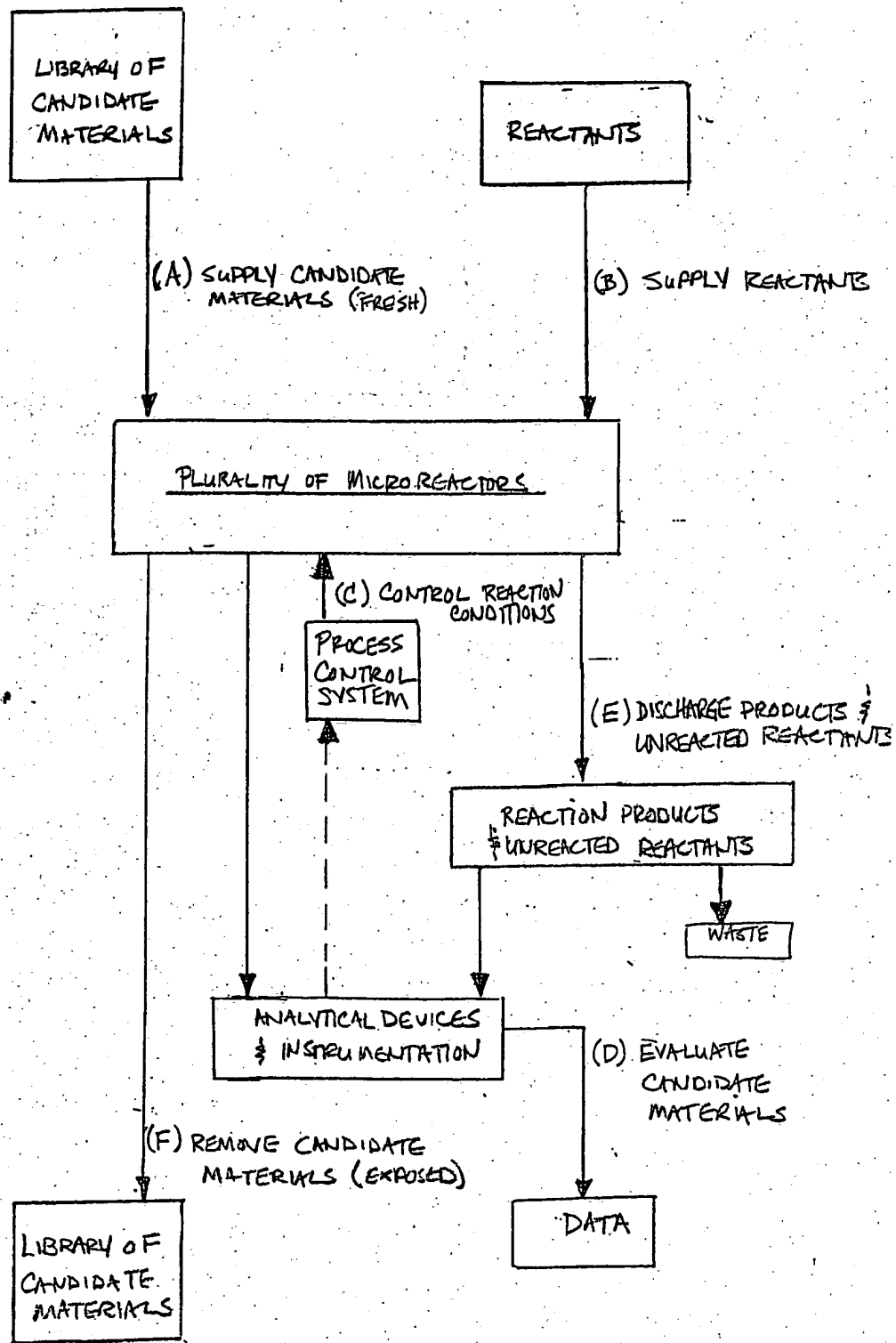


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FIG. 1A



00728733 4 13000

Fig. 1B

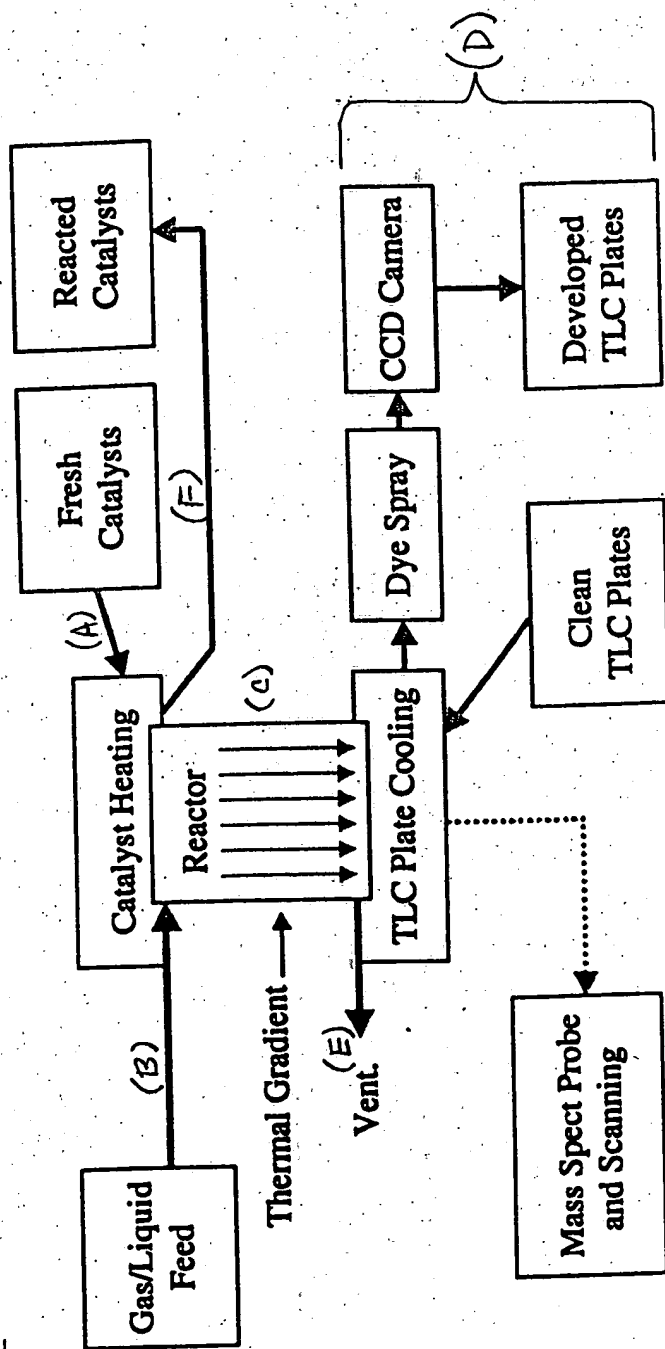


Fig. 1C

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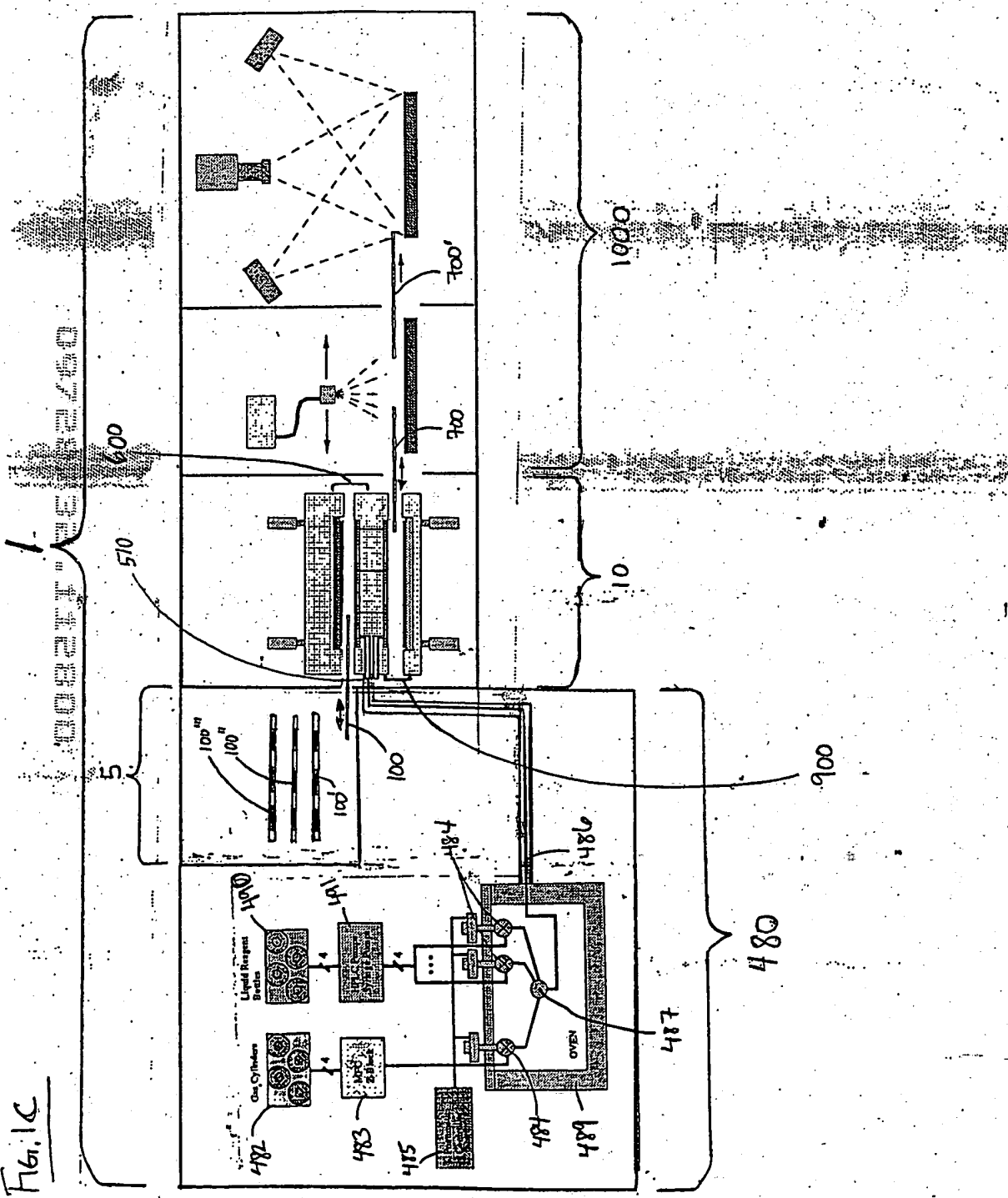
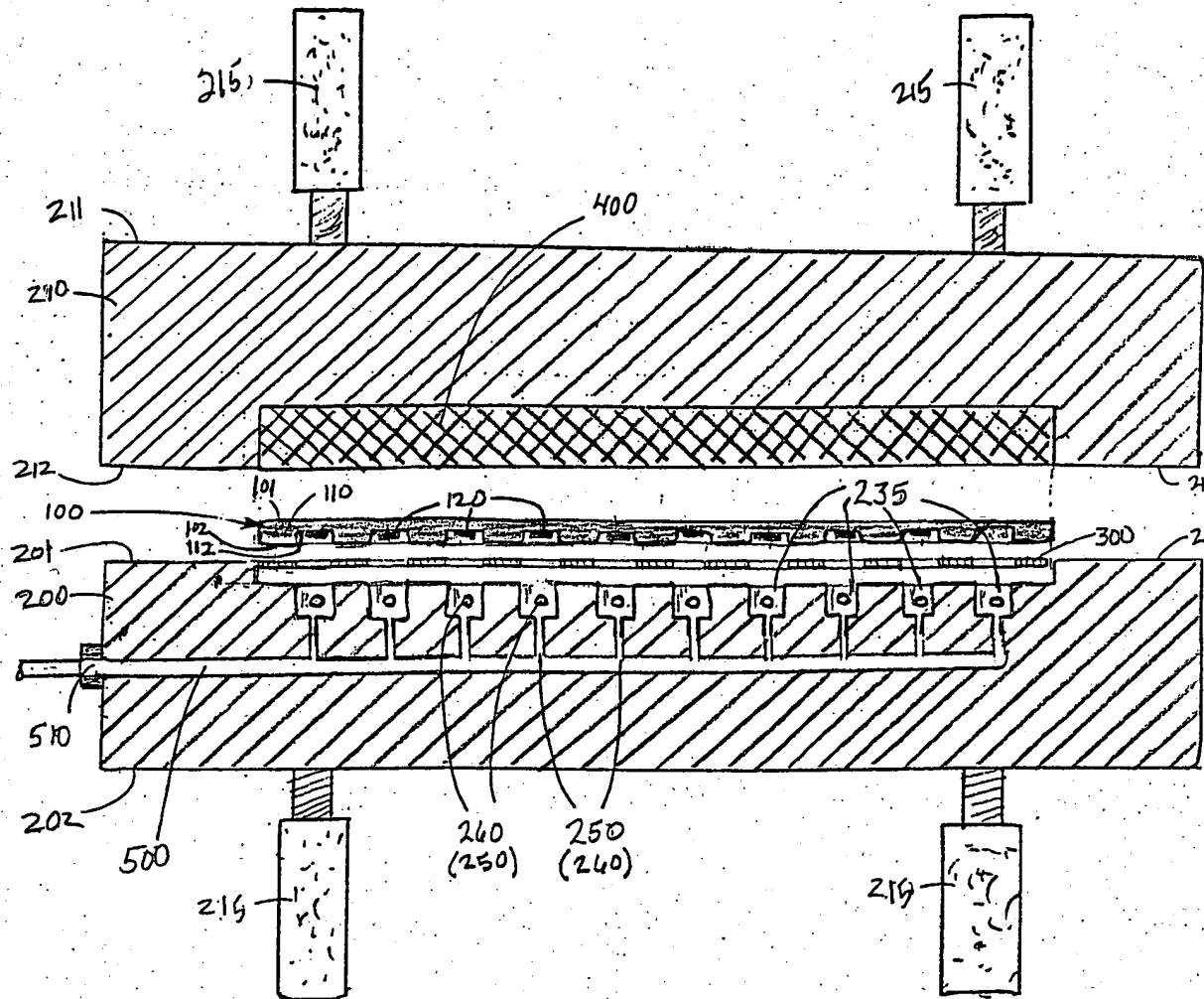


FIG. 2



00311 227260

FIG. 3A

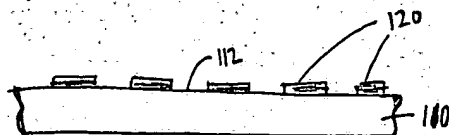


FIG. 3C



FIG. 3D

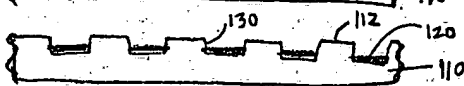


FIG. 3E



FIG. 3F

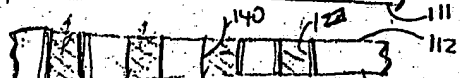


FIG. 3G



FIG. 3H

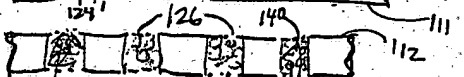


FIG. 3B

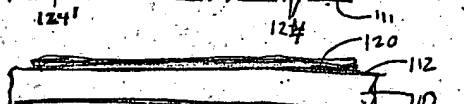


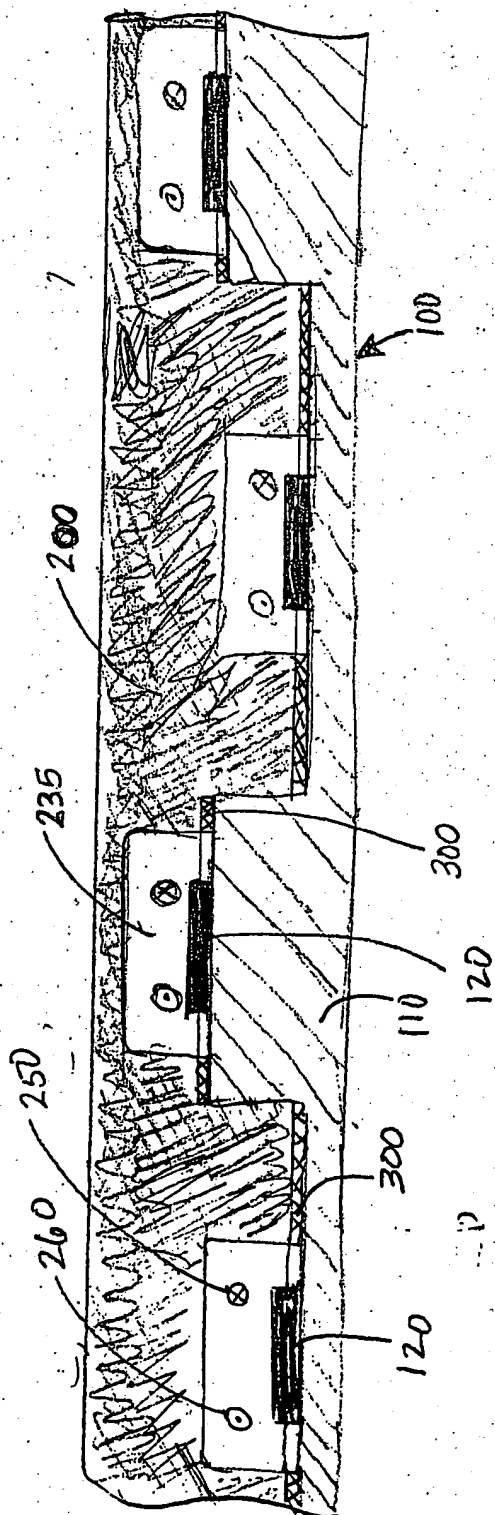
Fig. 4A

100, 112, 120, 200, 235, 240, 250, 300

[illegible]

A cross-sectional view of a multi-layered structure 200. The structure consists of several horizontal layers. From top to bottom, the layers are: a top layer 260, a layer 235 containing two circular features 120, a layer 110 with a central rectangular feature 112, a layer 100 with a central rectangular feature 112, a layer 230, and a bottom layer 250. A bracket 200 groups the entire assembly. Other labels include 200, 300, 220, 230, 260, 240, 120, 250, 112, 110, and 100.

Fig. 5



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Fig. 6A

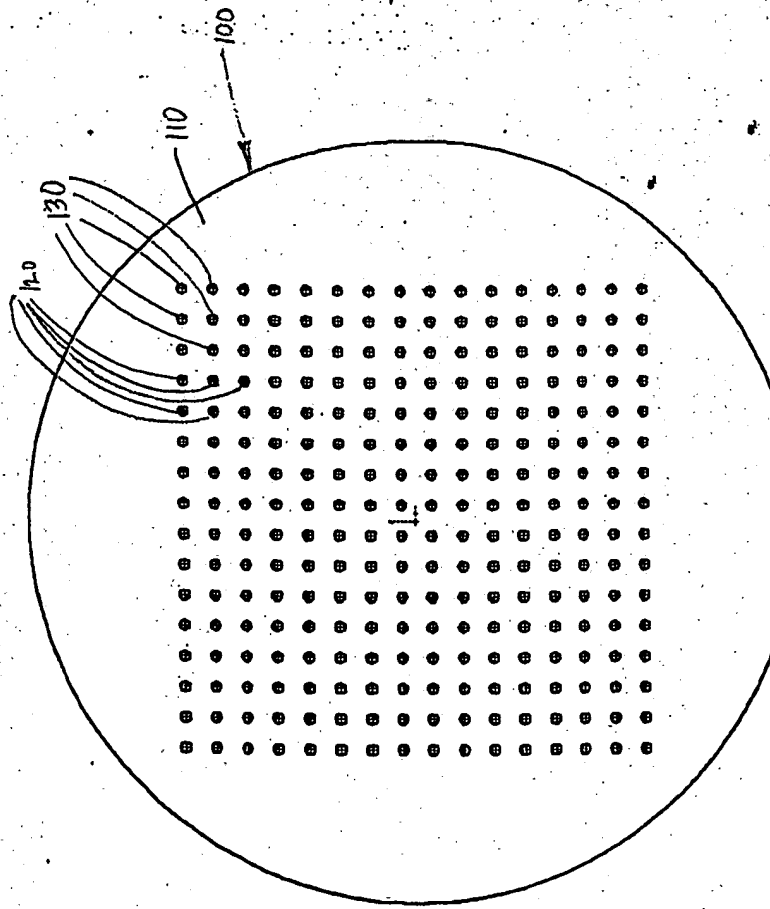
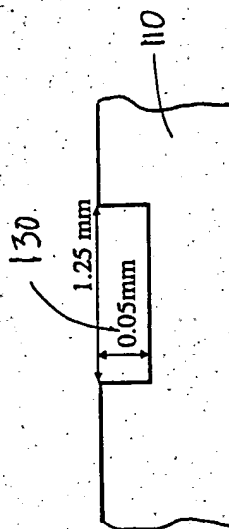


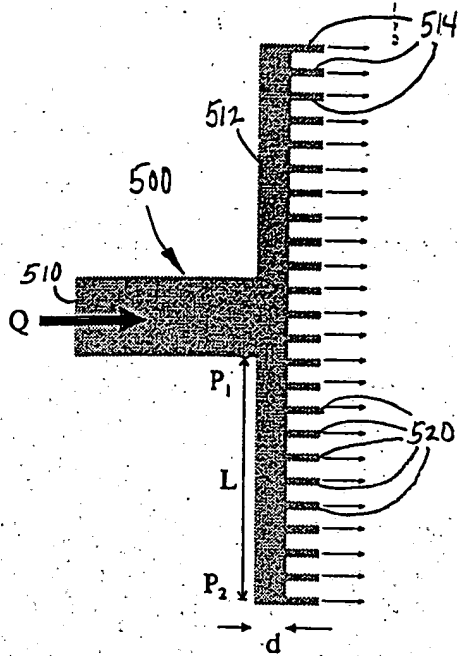
Fig. 6B





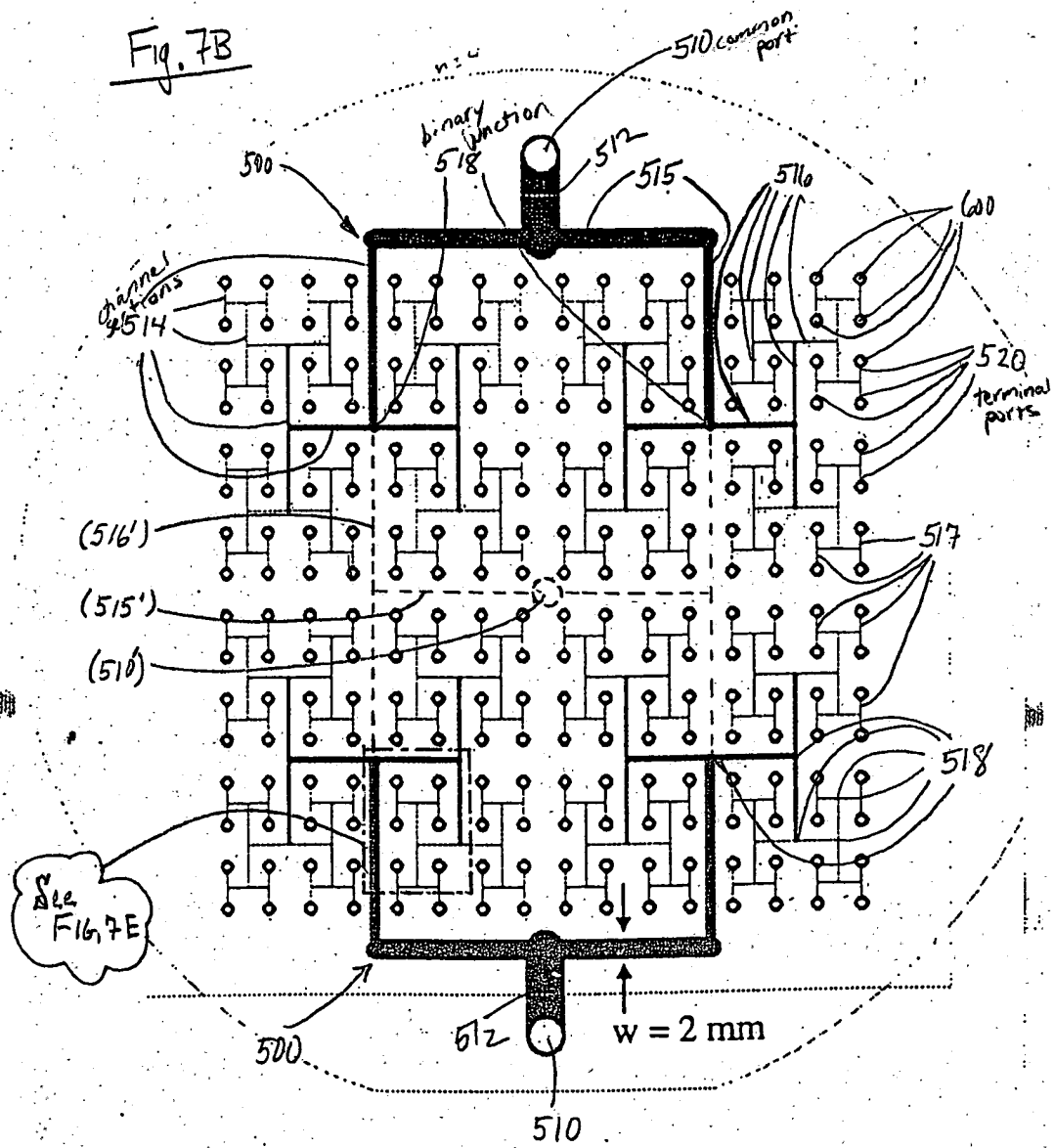
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Fig. 7A



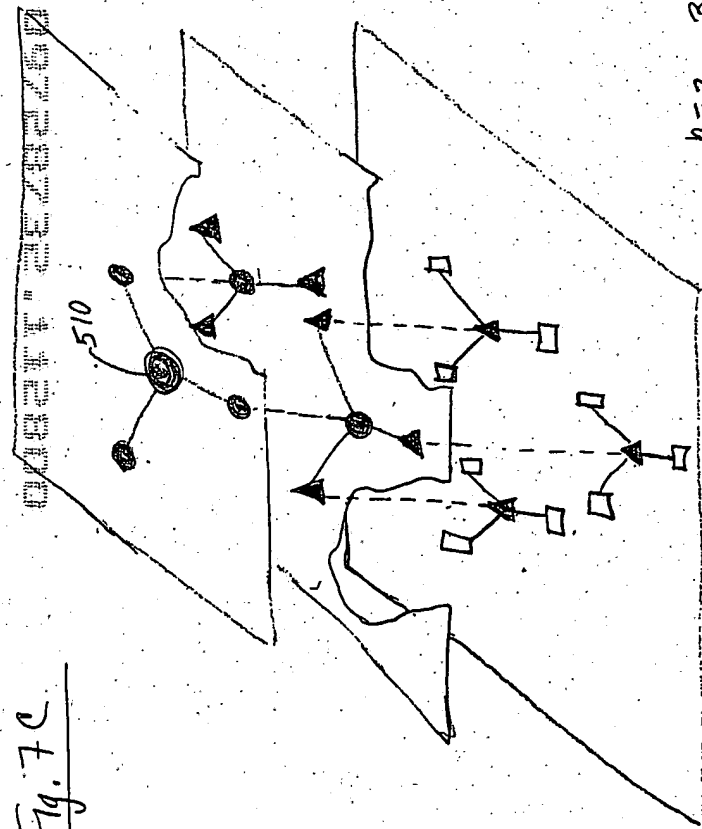
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Fig. 7B



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Fig. 7C



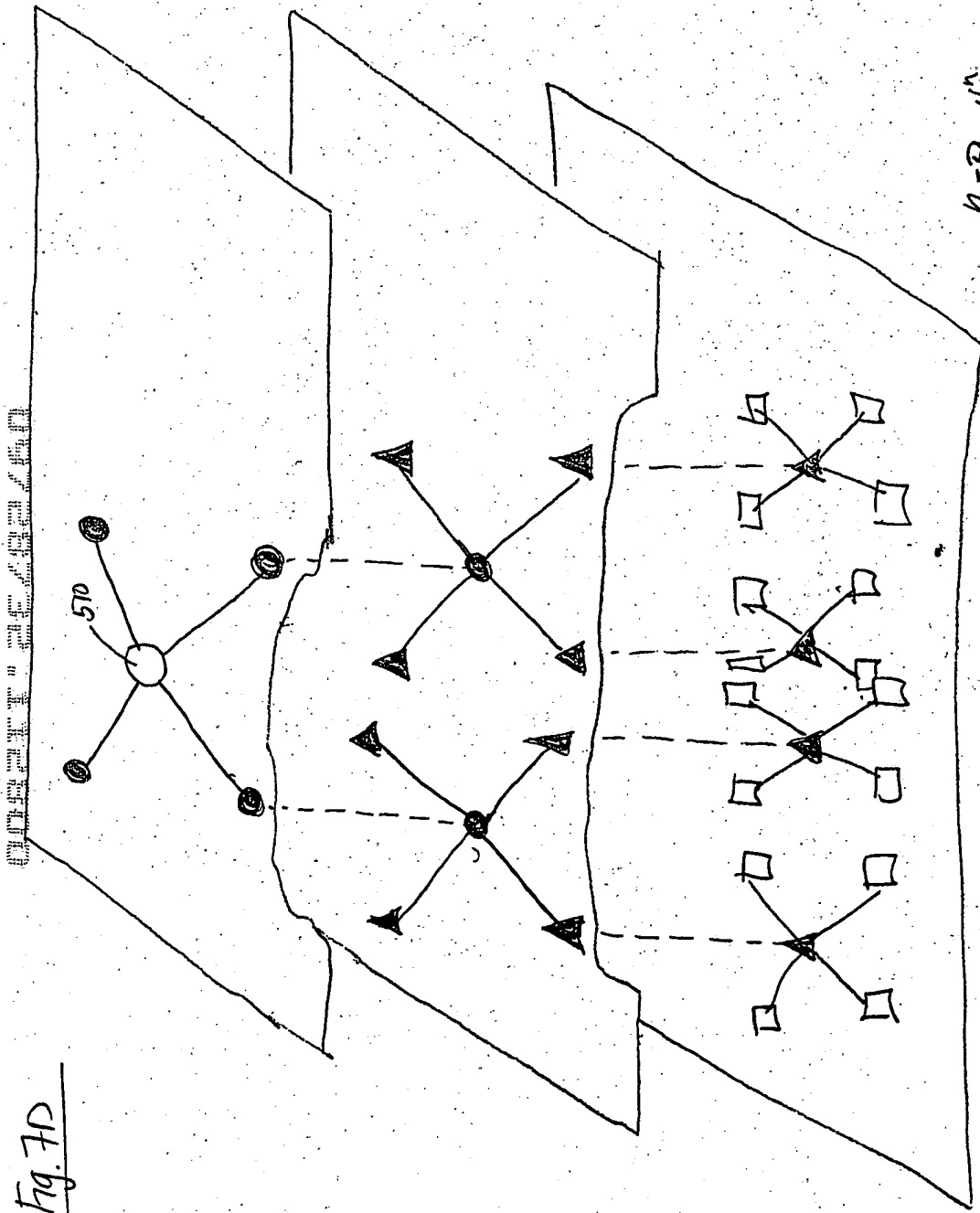
$10 \equiv 3, 13^A \equiv 27$

9+//11



Fig. 7D

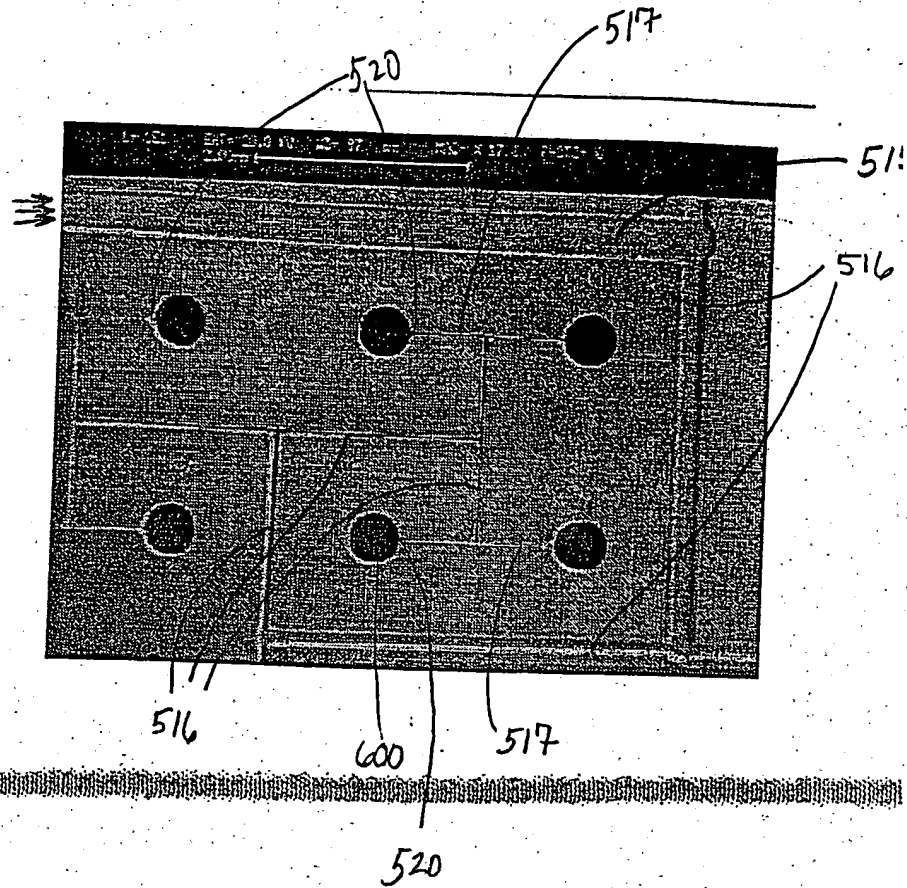
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$$n=3, 4^n=64$$

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Fig 7E

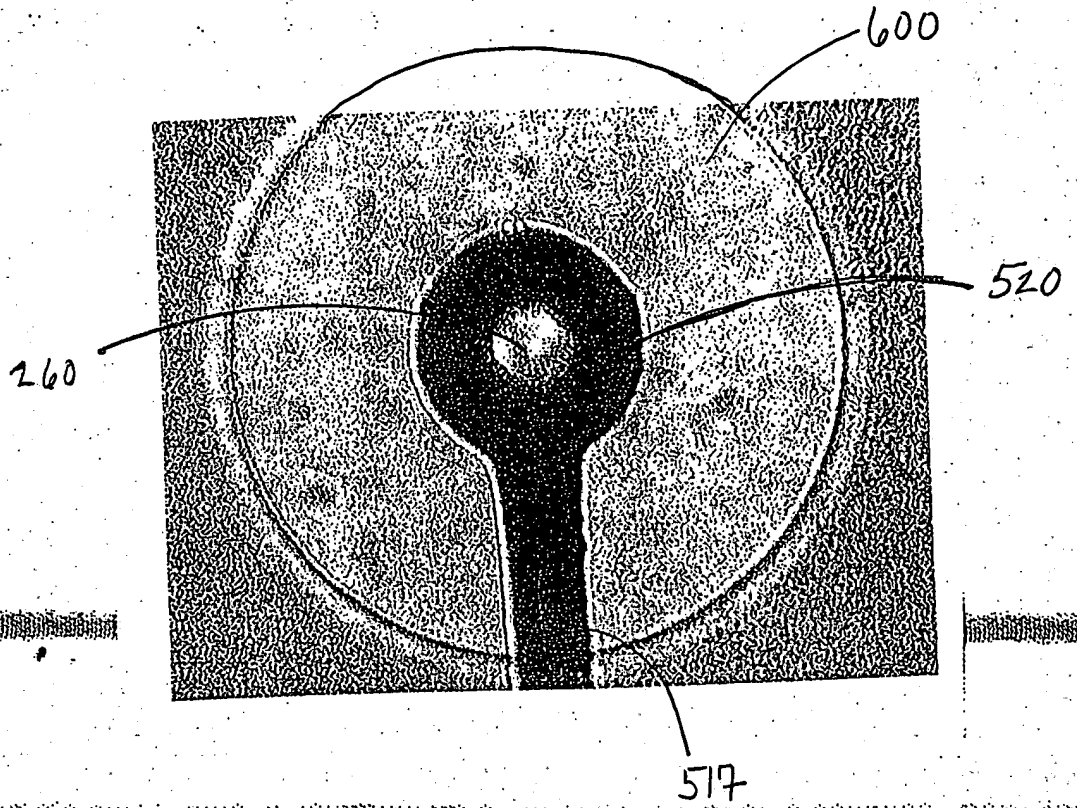


(and line drawing)

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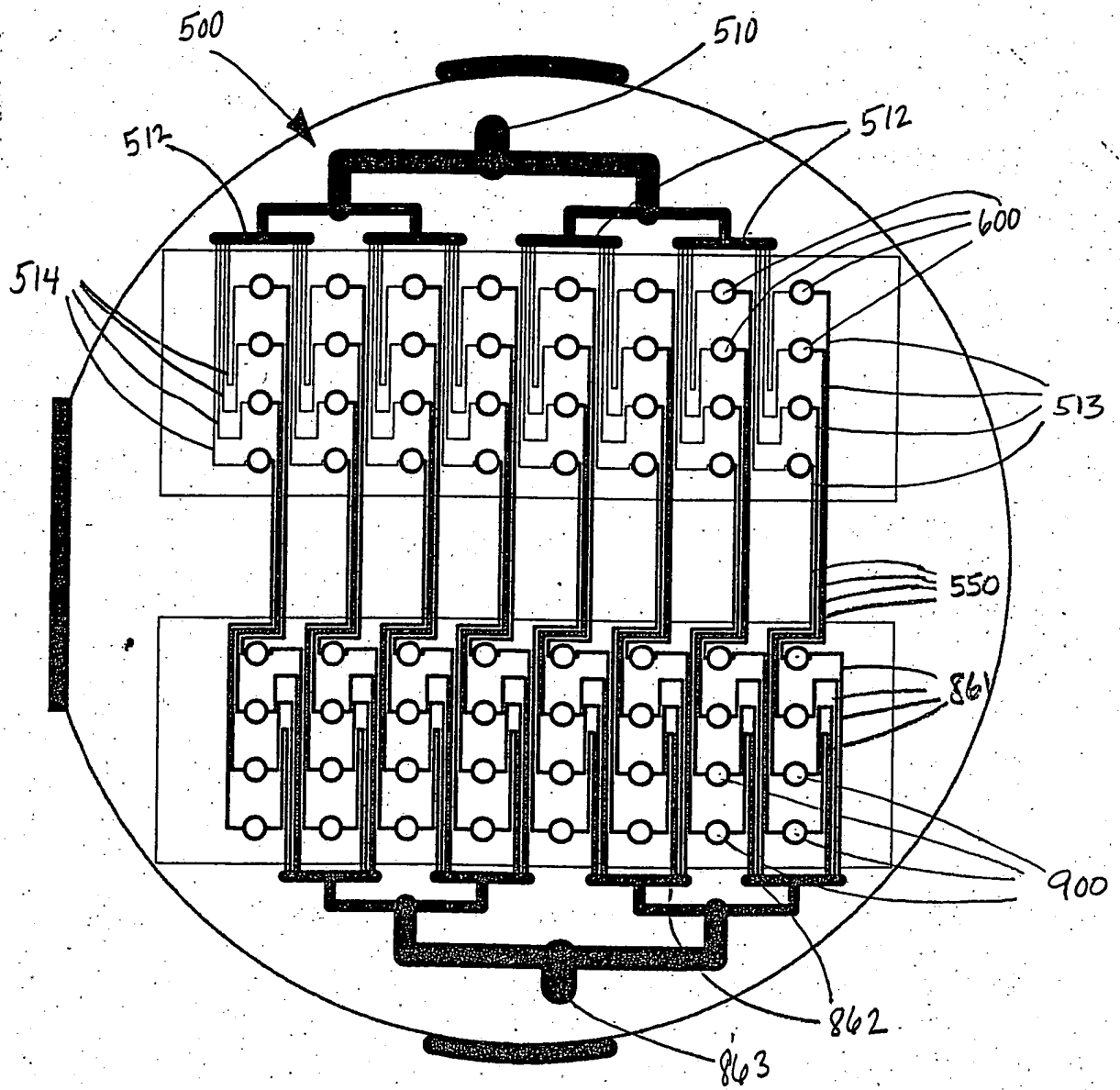
FIG. 7F



092873 11800

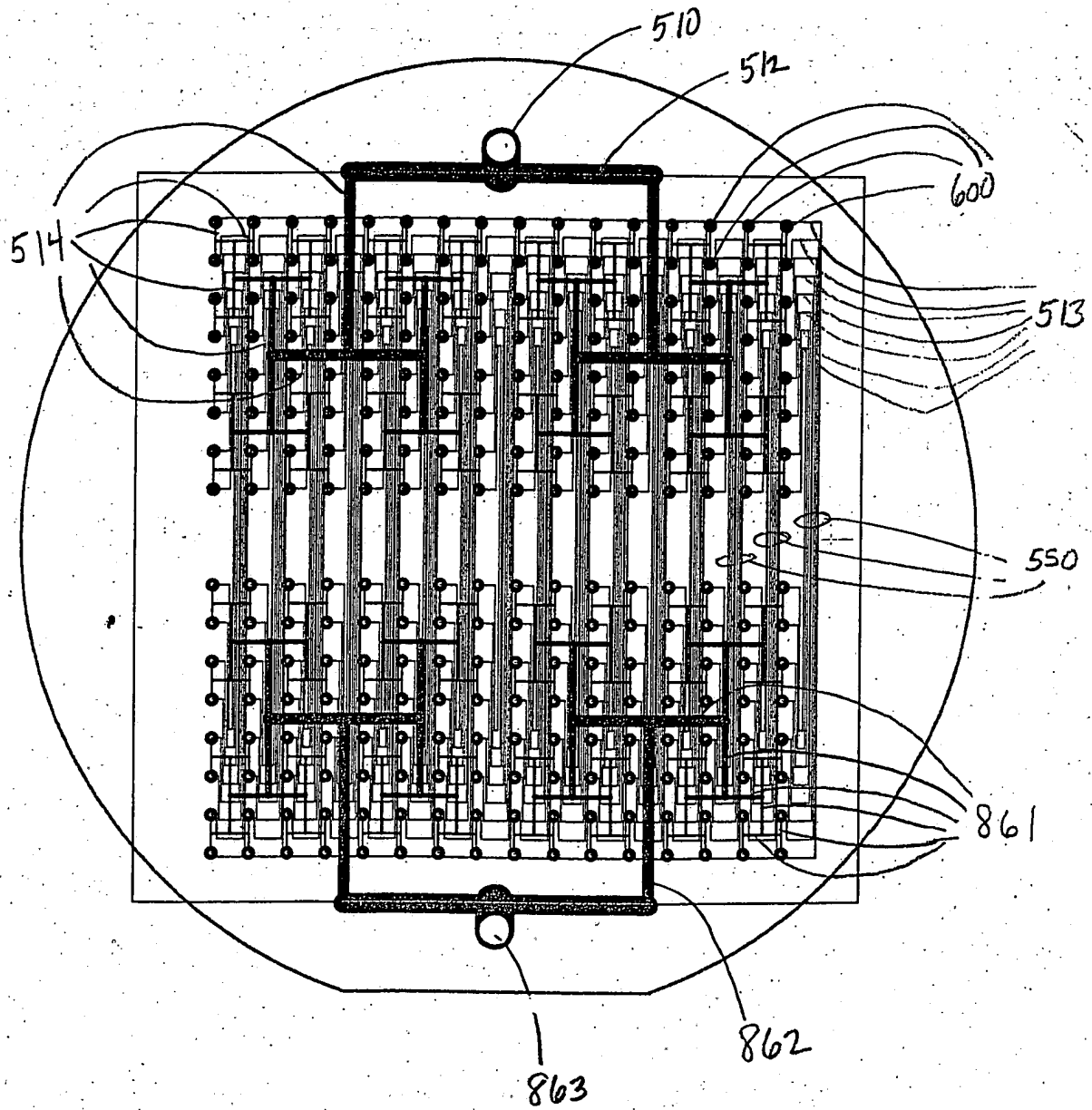
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Fig. 7G.



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Fig. 7H



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Fig. 71 is a schematic diagram of a circular device, labeled 500. The device features a grid of nodes (small circles) arranged in a pattern that resembles a stylized 'H' or a cross. A central vertical structure, labeled 510, extends from the top of the grid. This structure includes a circular component at the top, labeled 512. To the right of the central structure, there are several curved lines or paths, labeled 515, 516, 517, and 518. These paths appear to be connected to a series of nodes on the right side of the grid. A specific node or connection point on the right is labeled 600. The entire device is enclosed within a circular boundary.

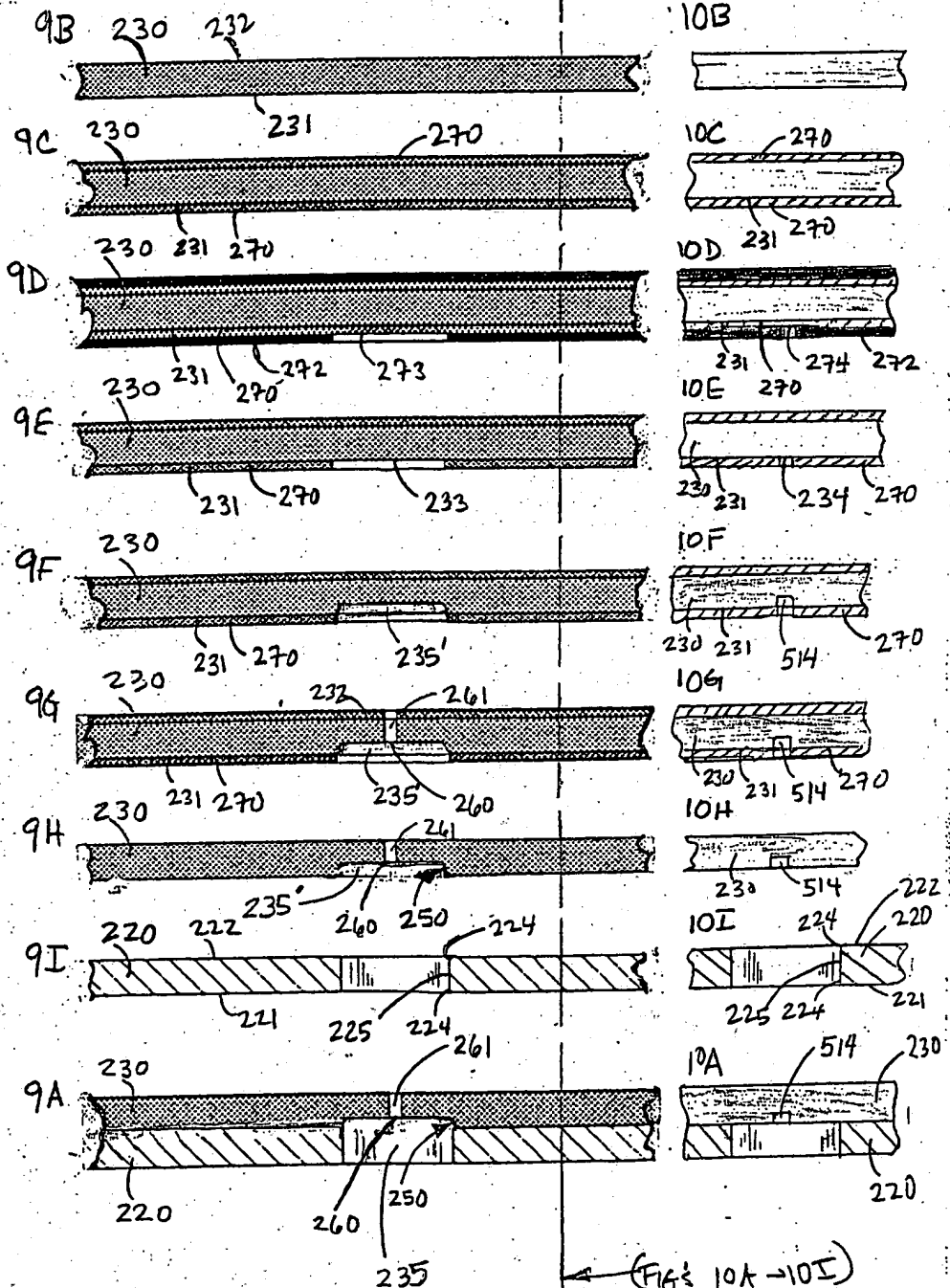


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FIG 10

FIG. 9

(FIGS 10A → 10I)

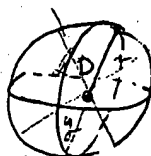


I

(FIGS 10A → 10I)

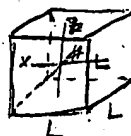
09728732.1.12300

FIG. 11A



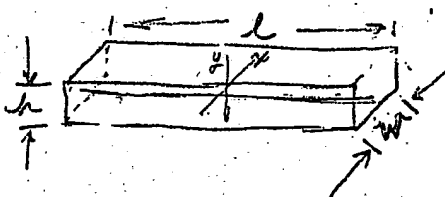
$$x:y:z \equiv 1$$

FIG. 11B



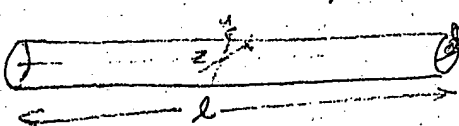
$$x \cdot y \cdot z = 1$$

Fig. 11C



$$\begin{aligned} X:Z &= w/e \\ Y:Z &= h/w \end{aligned}$$

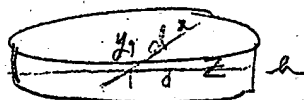
F16T, H.D.



$$X:Z = \frac{d}{2}$$

$$Y:Z = \frac{d}{2}$$

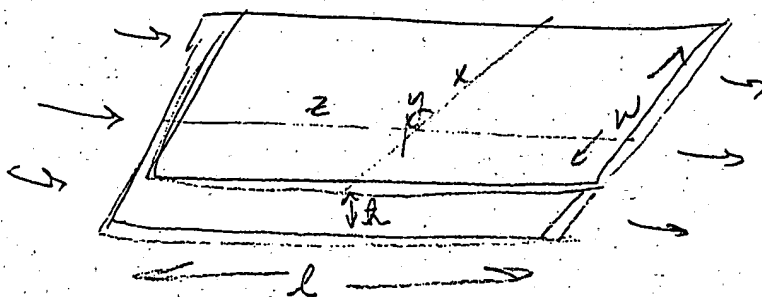
File # 11E



$$x:z \equiv \frac{d}{a} \equiv 1$$

$$y:z \equiv h/a.$$

FIG. 11F

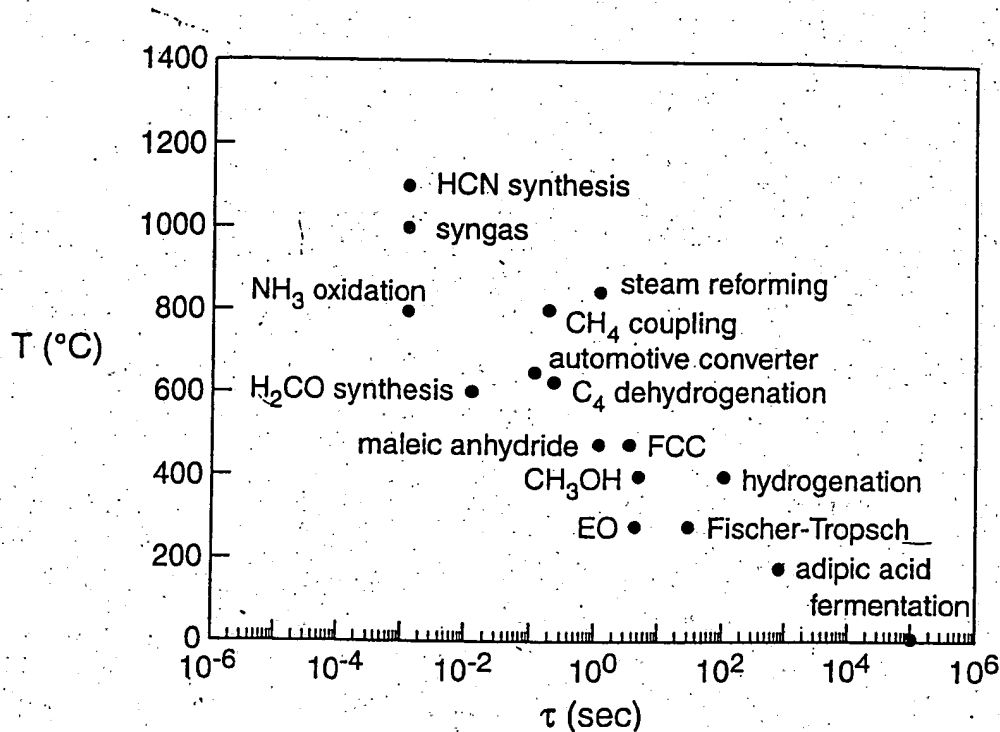


$$x'z = \frac{w}{c}$$

$$y'z = \frac{h}{c}$$

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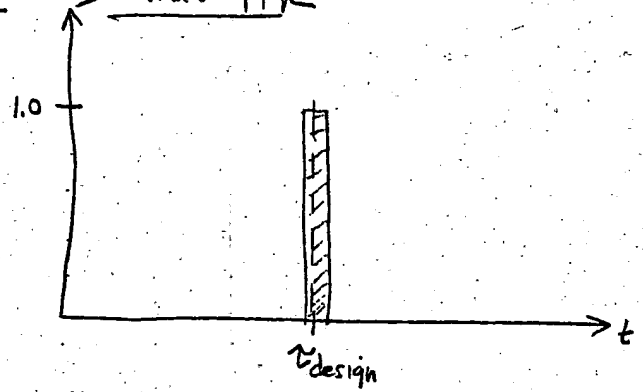
Fig. 12



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FIG. 13A : Idealized PFR

$P \equiv$  Probability function



$\tau \equiv$  residence time

Flt 13B

Prachal PFR

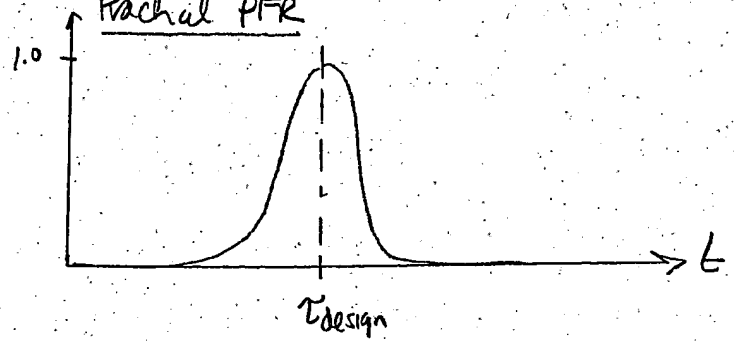
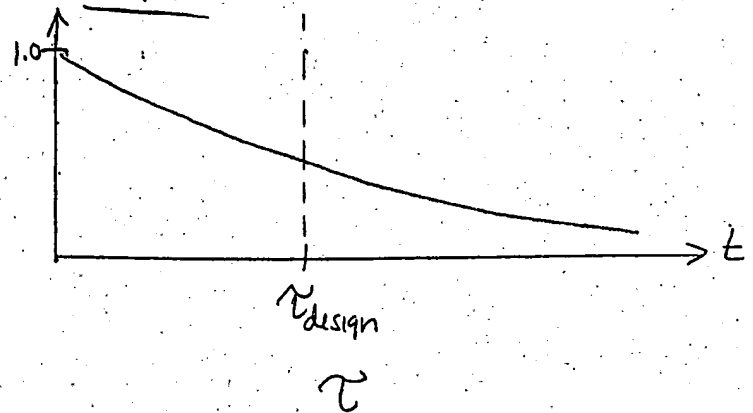


Fig. 13C

CSTR





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Fig 15:

Fig. 15A



Fig. 15B

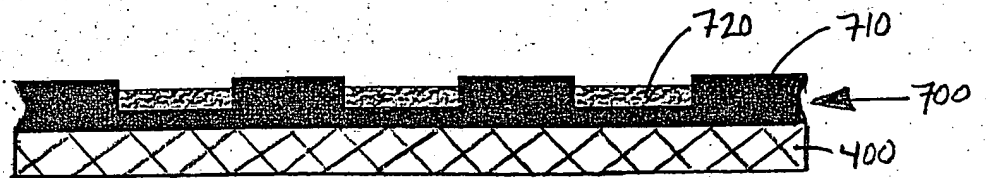
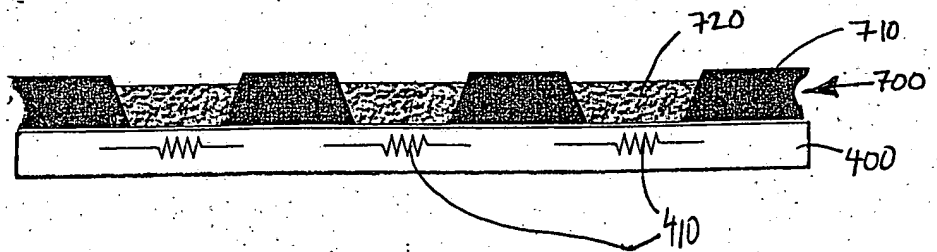


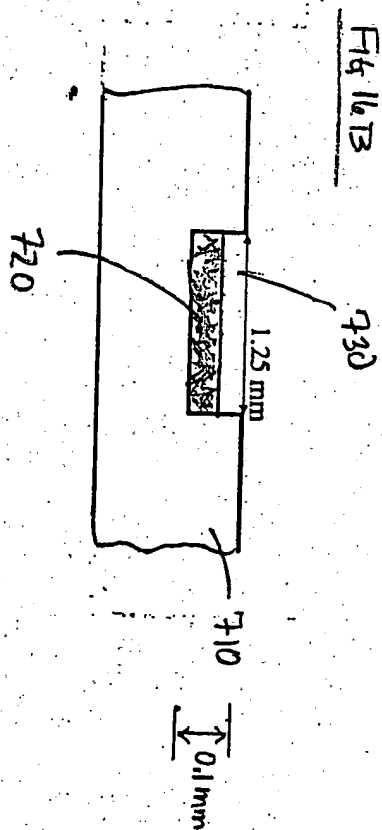
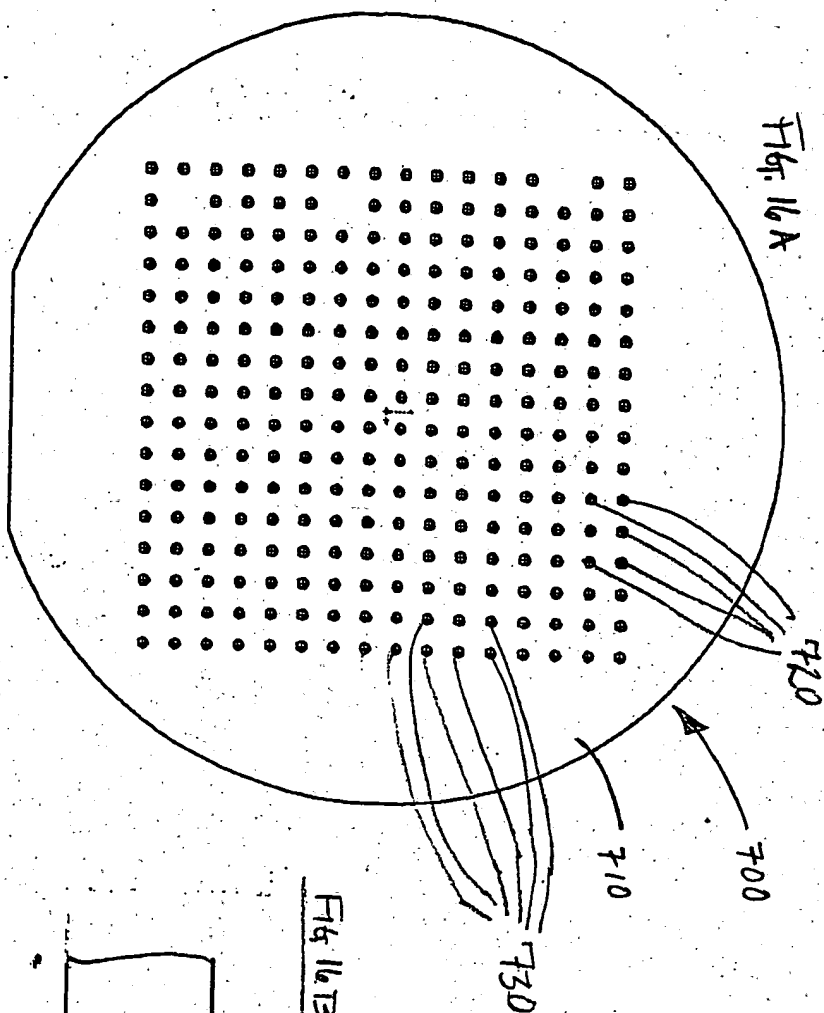
Fig 15C



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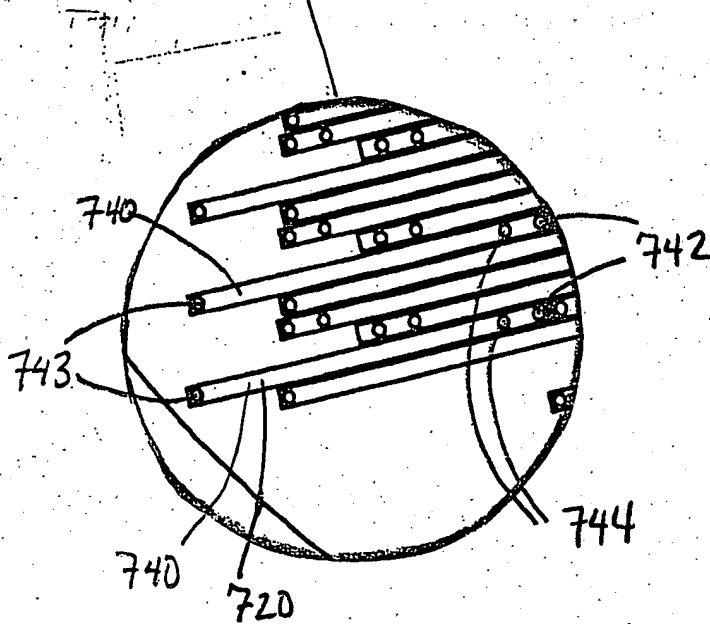
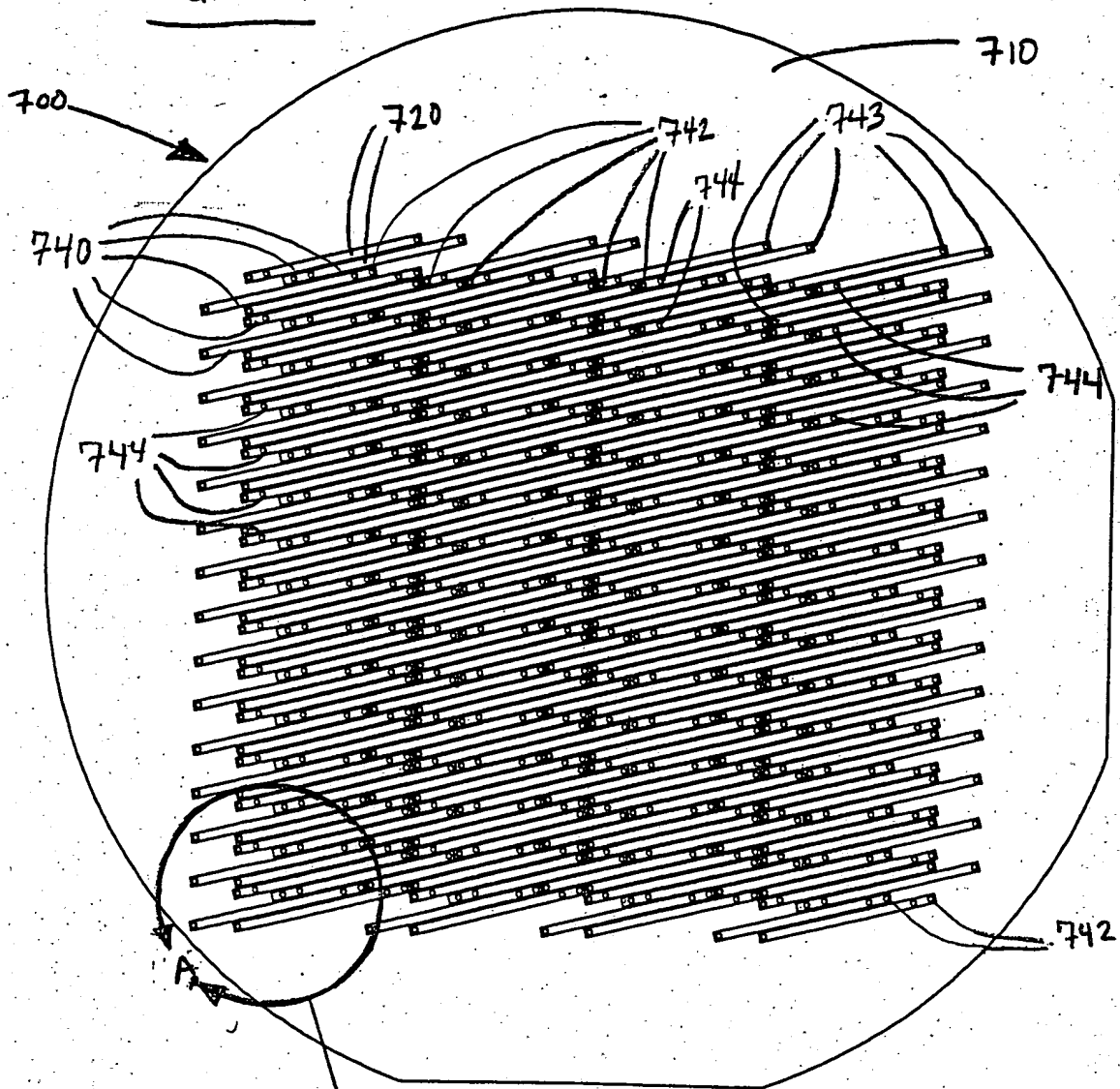


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097267 312 4 12 000

FIG. 16c



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FIG. 16D

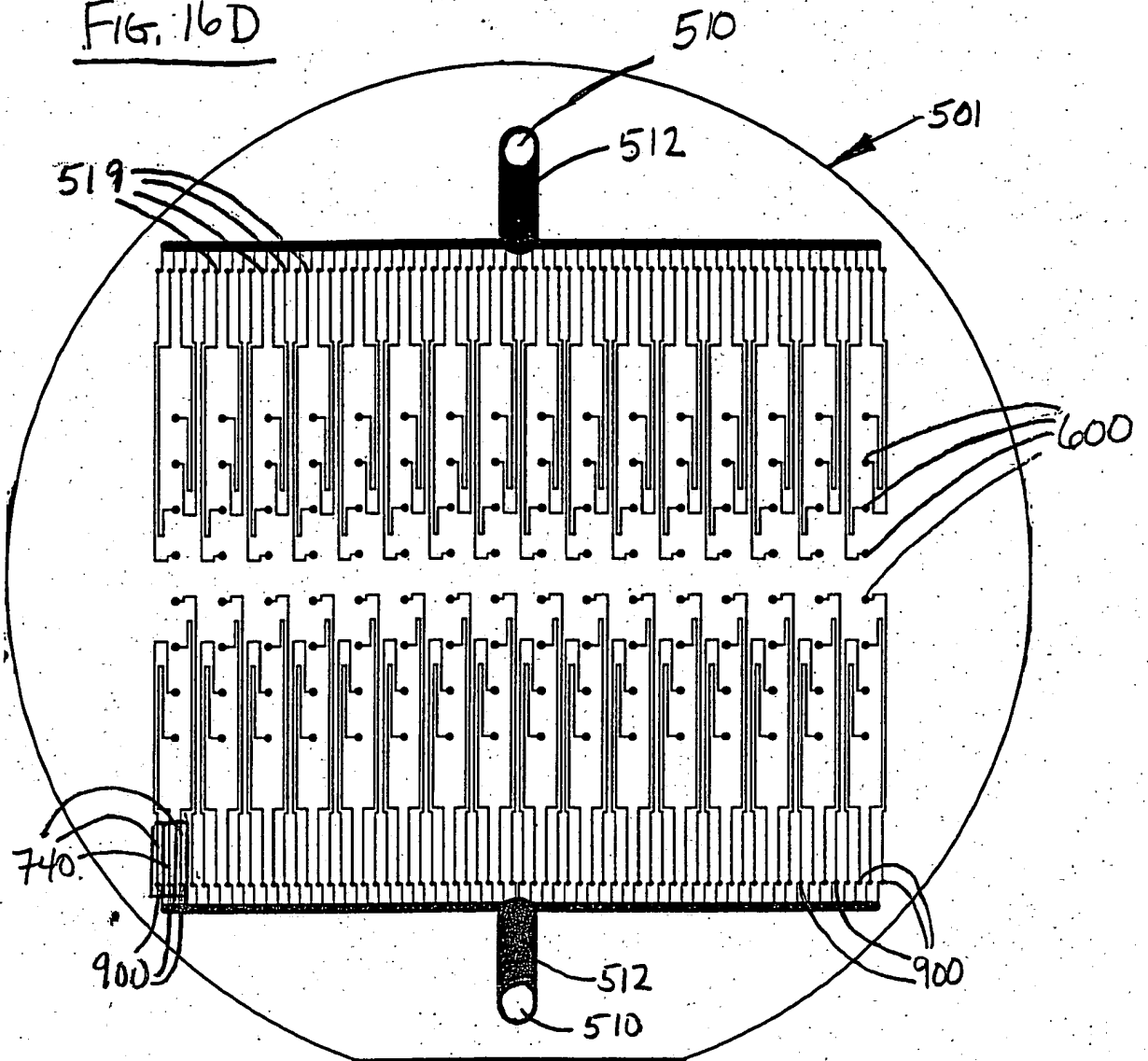


FIG. 16E

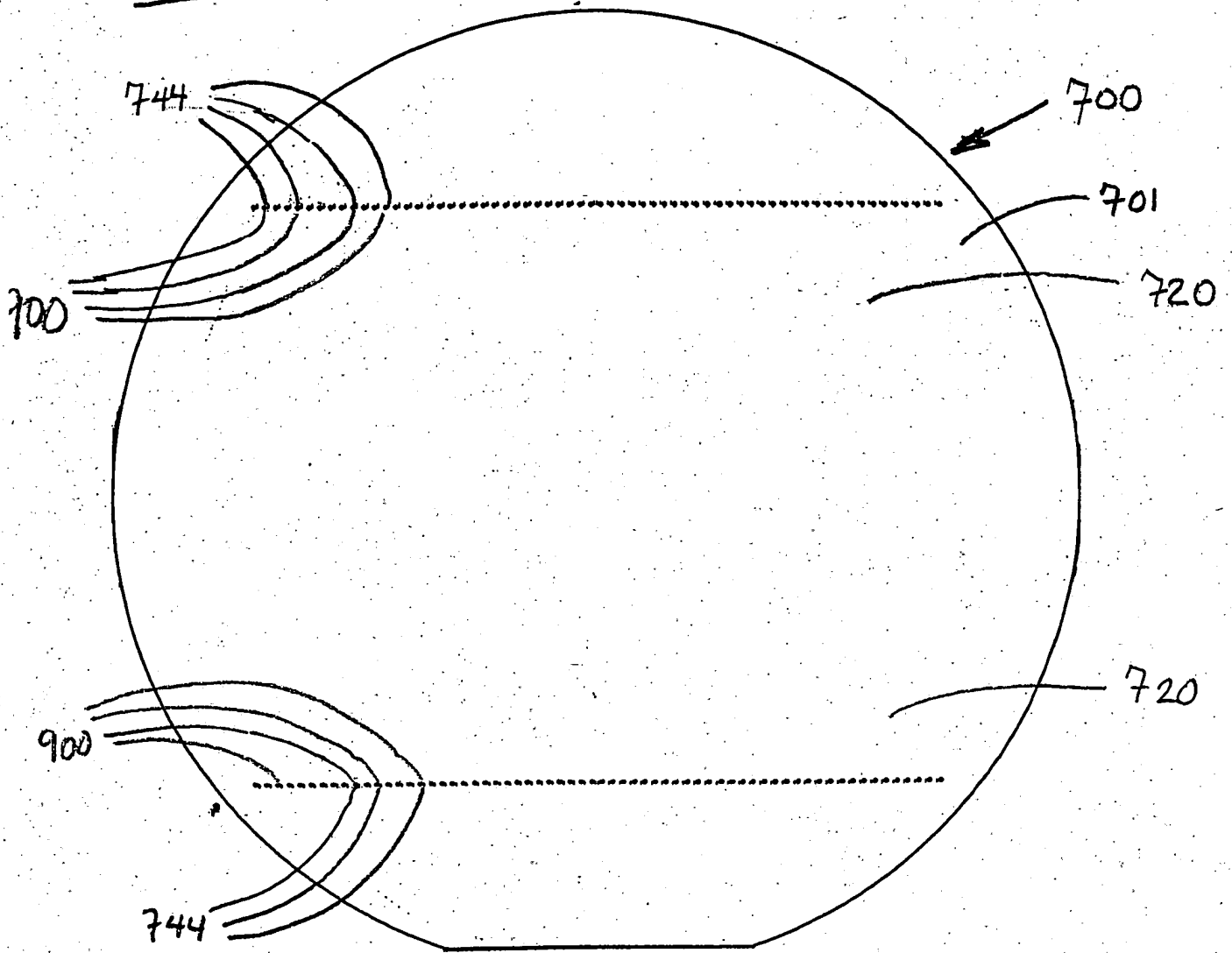


Fig. 17A.

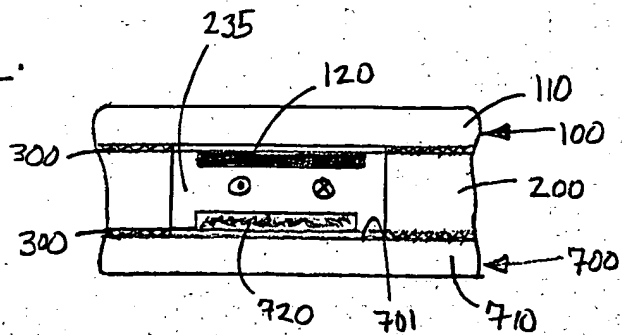


Fig. 17B

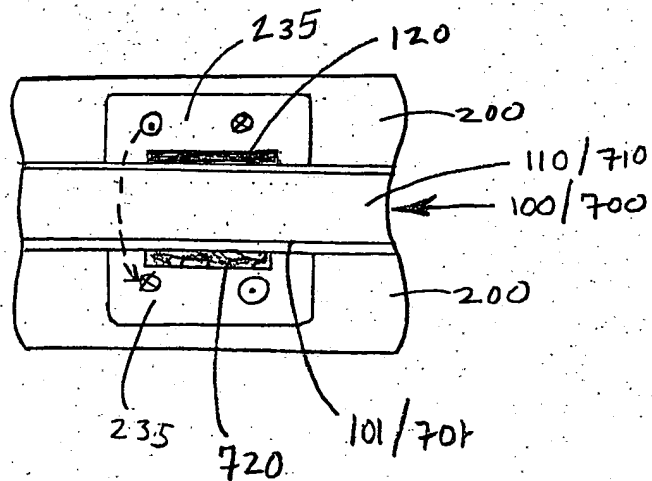
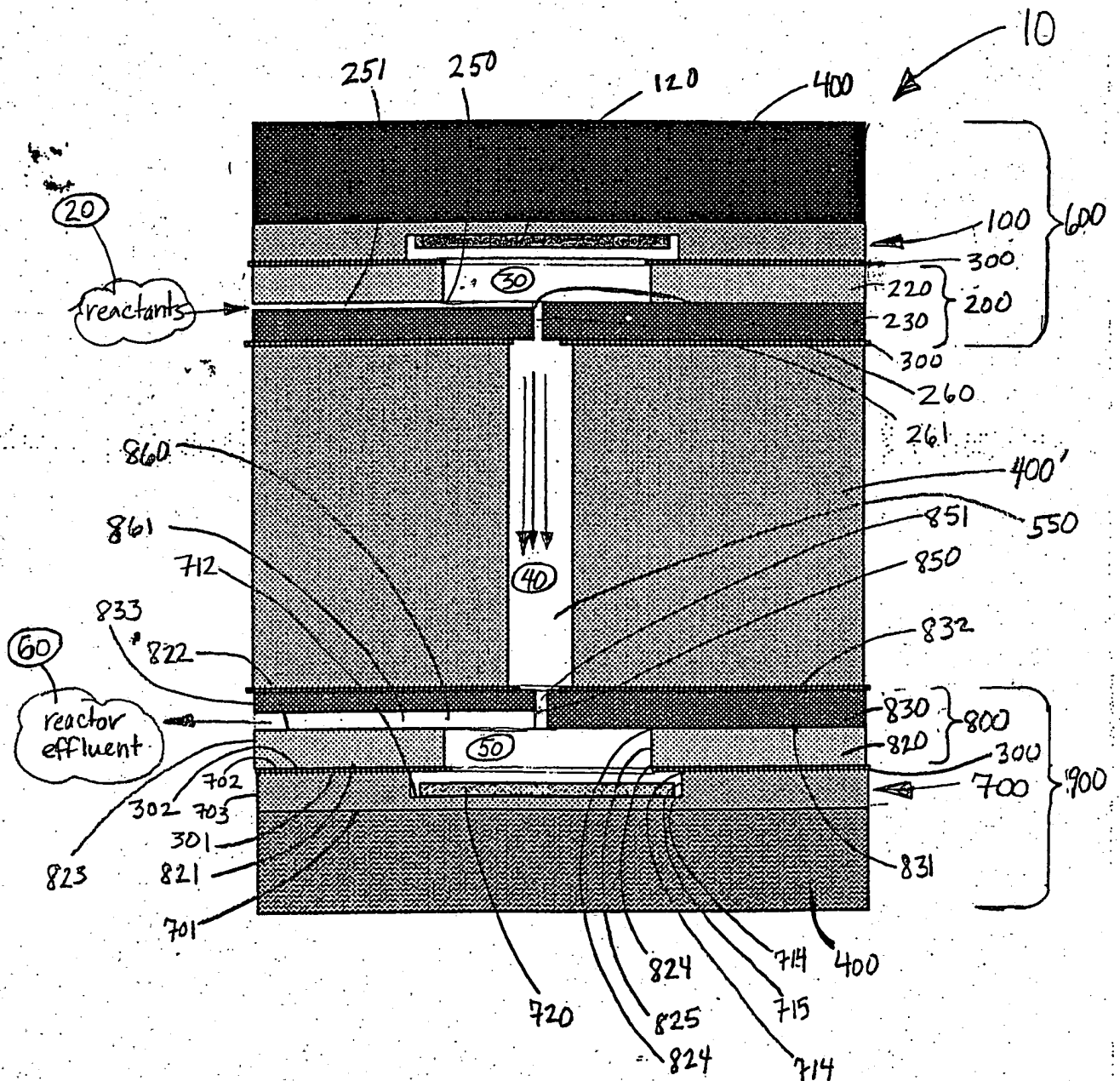


Fig. 18A



**DECEMBER 7**

Fig. 18B

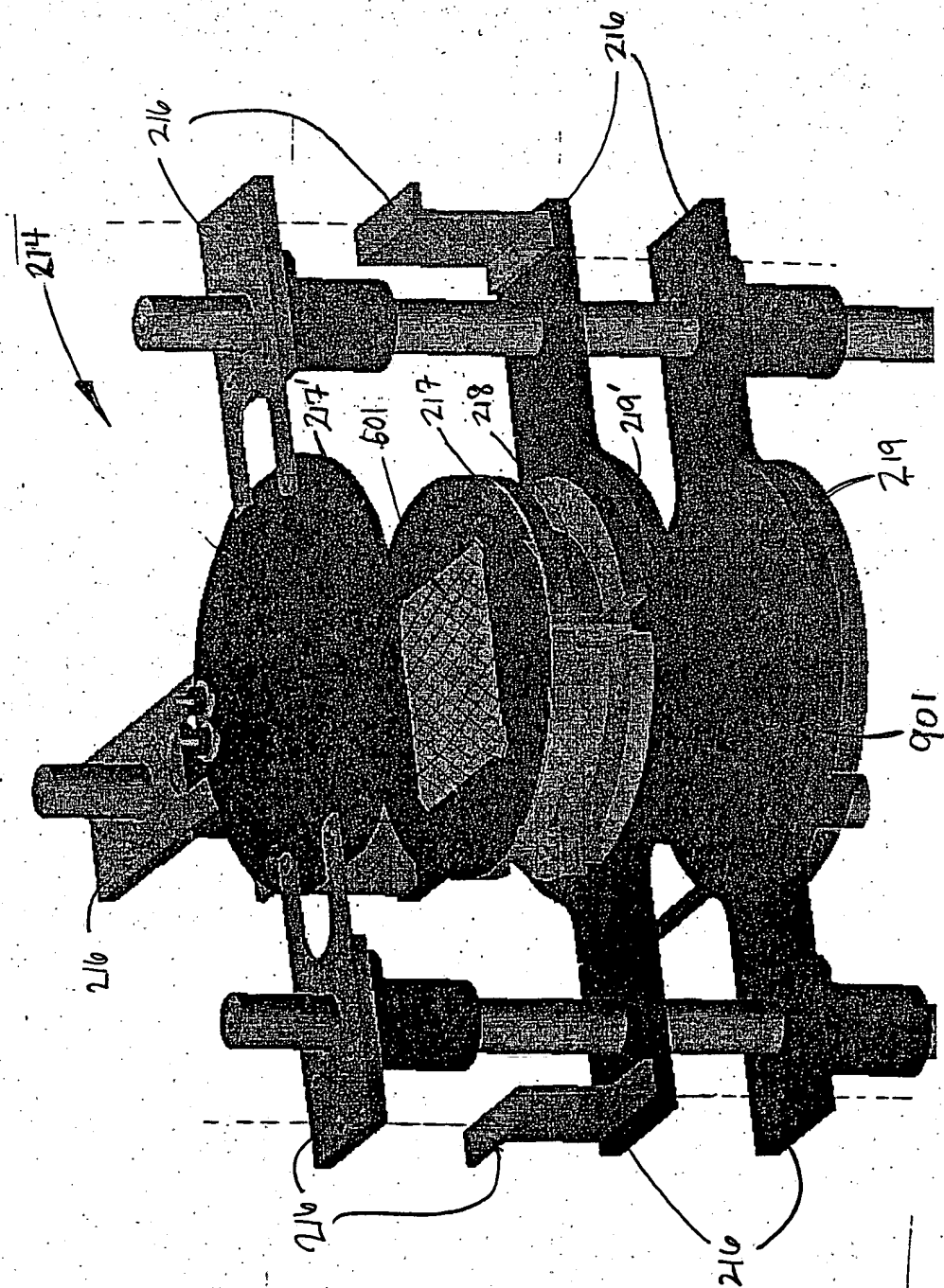


FIG. 18C

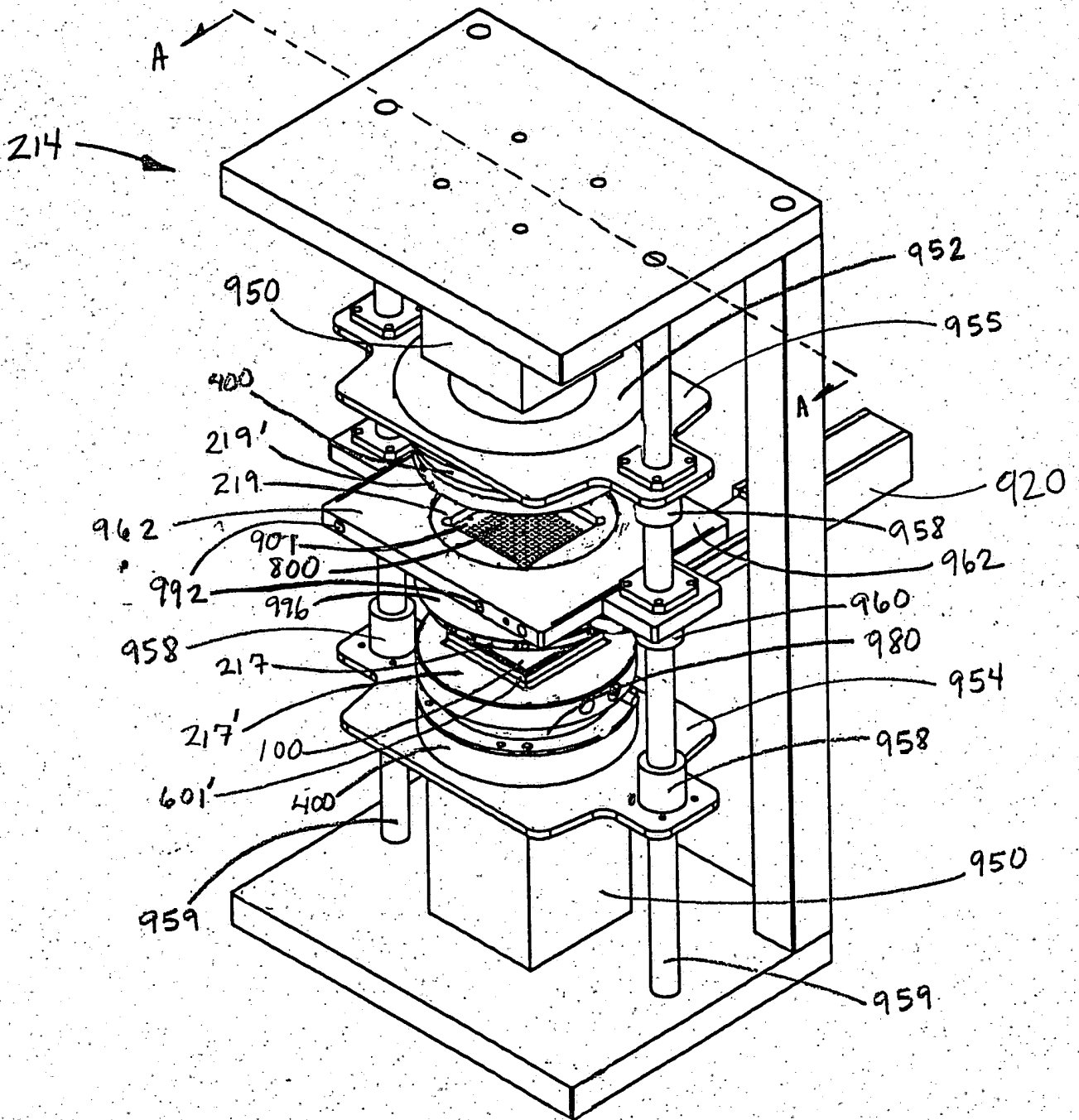






FIG. 18E

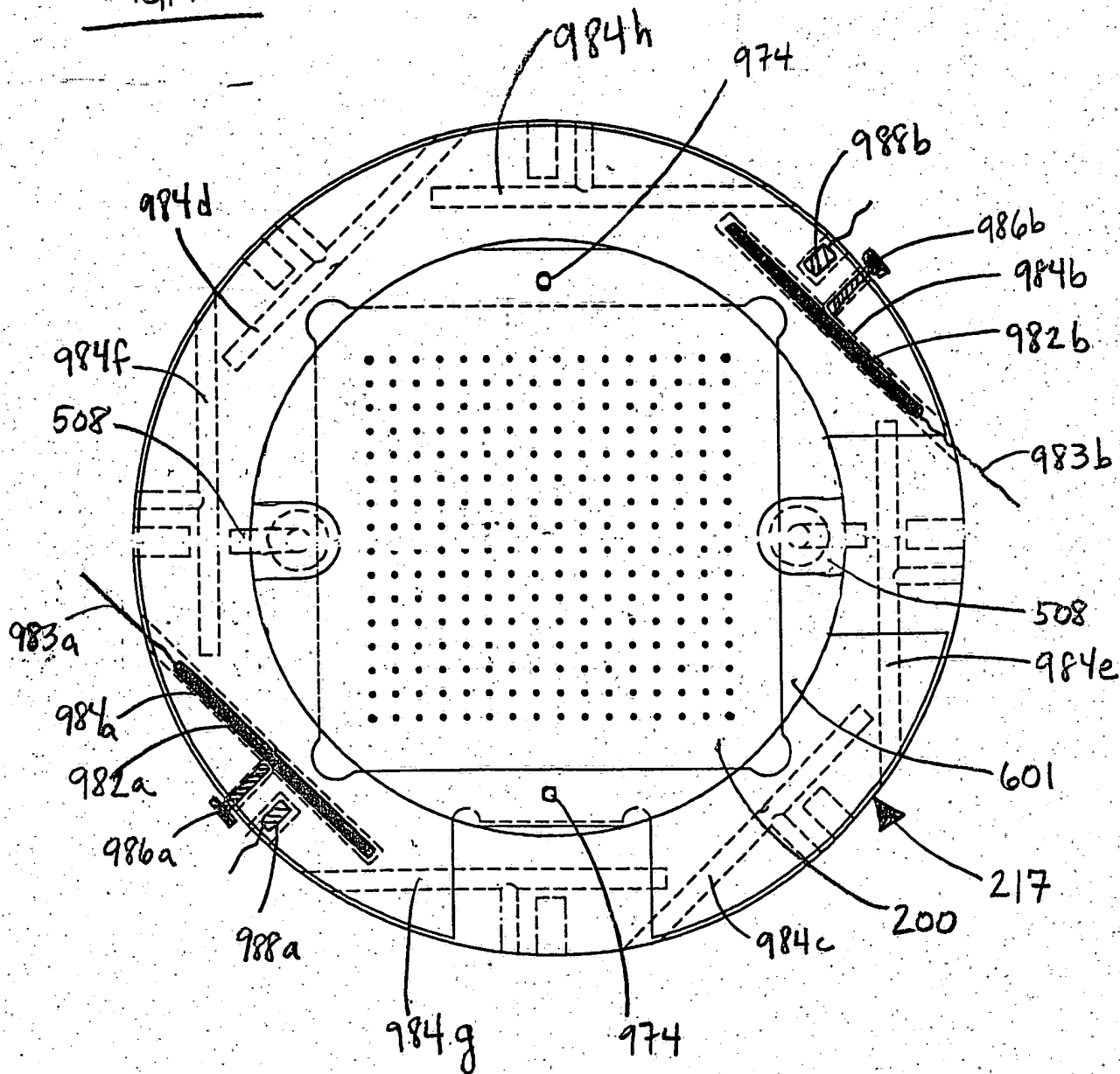


Fig. 18F

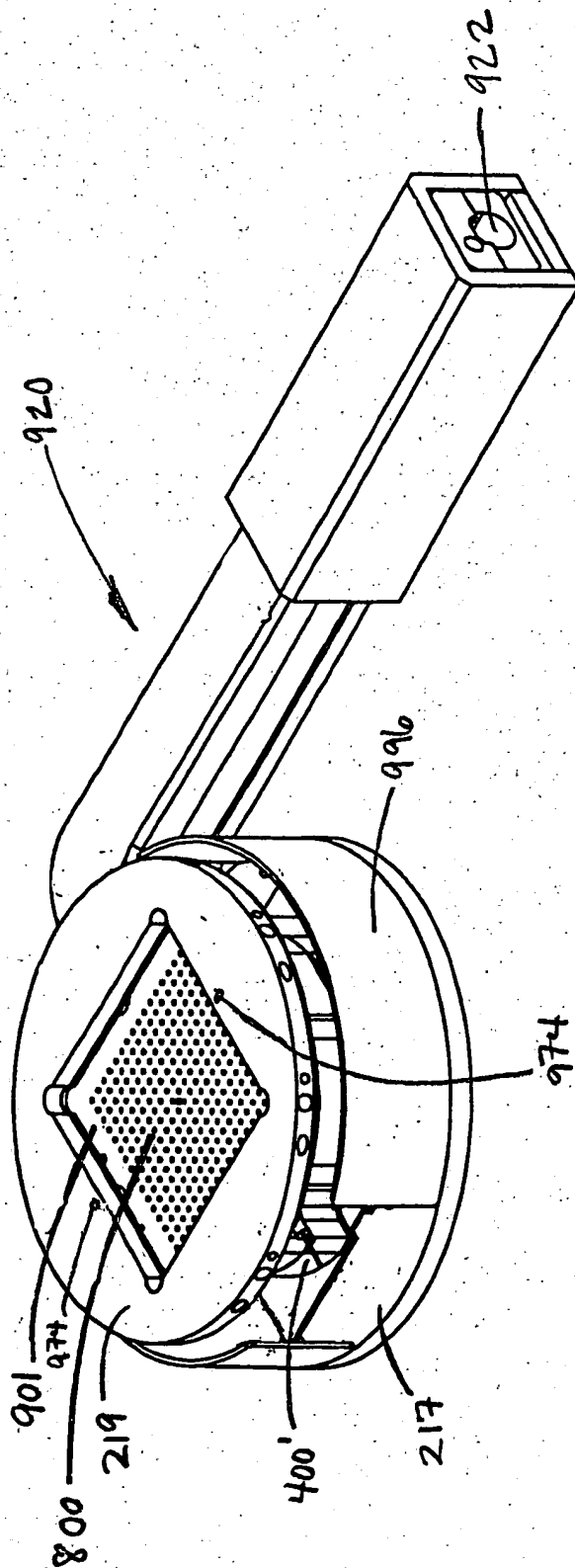
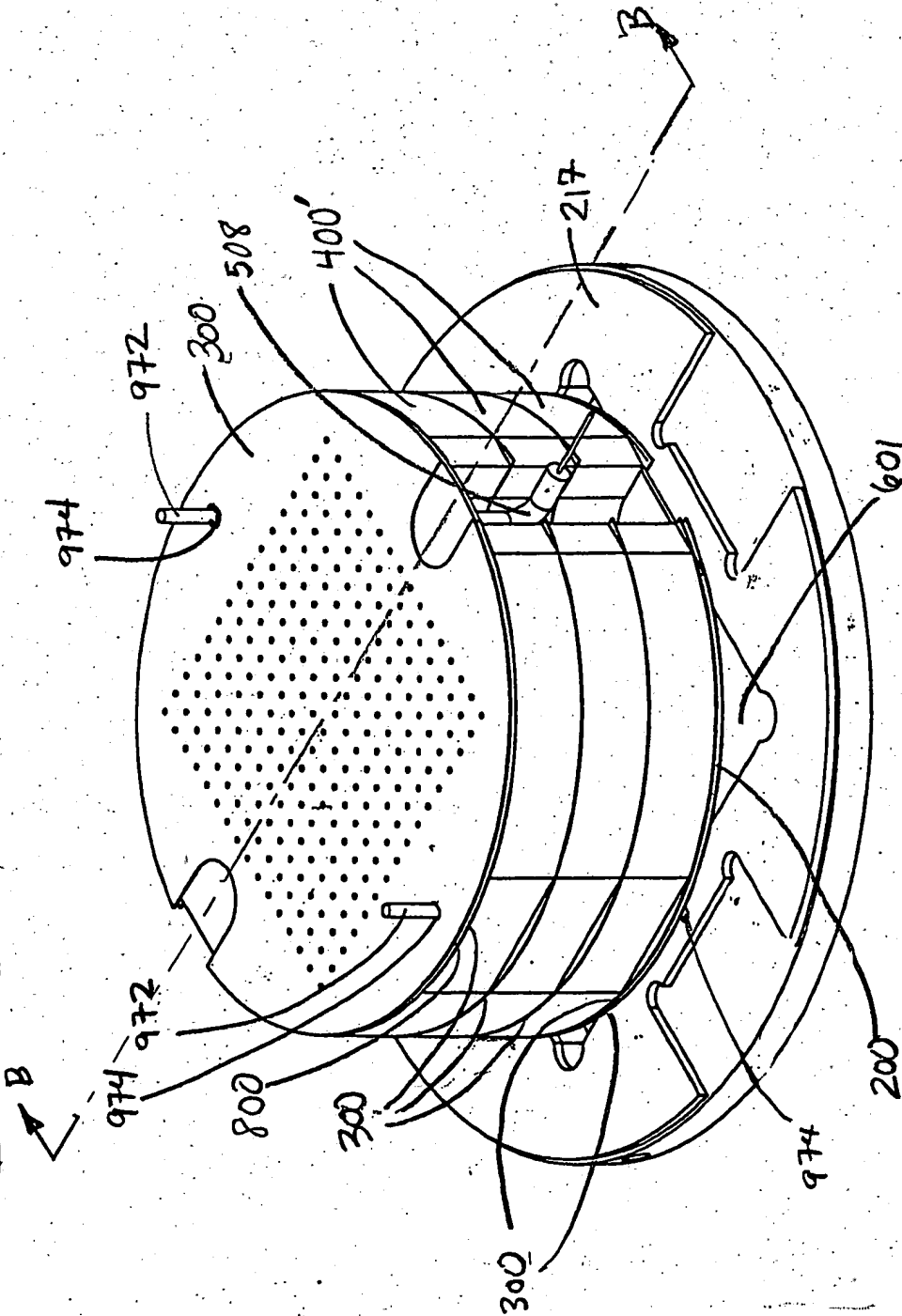


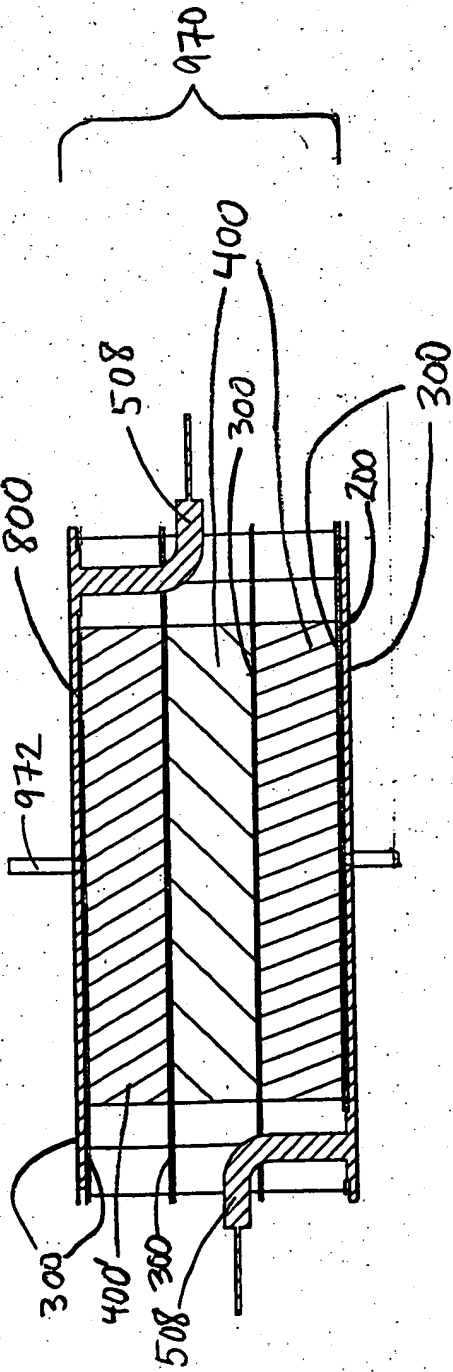
FIG. 18G.



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Fig. 18H

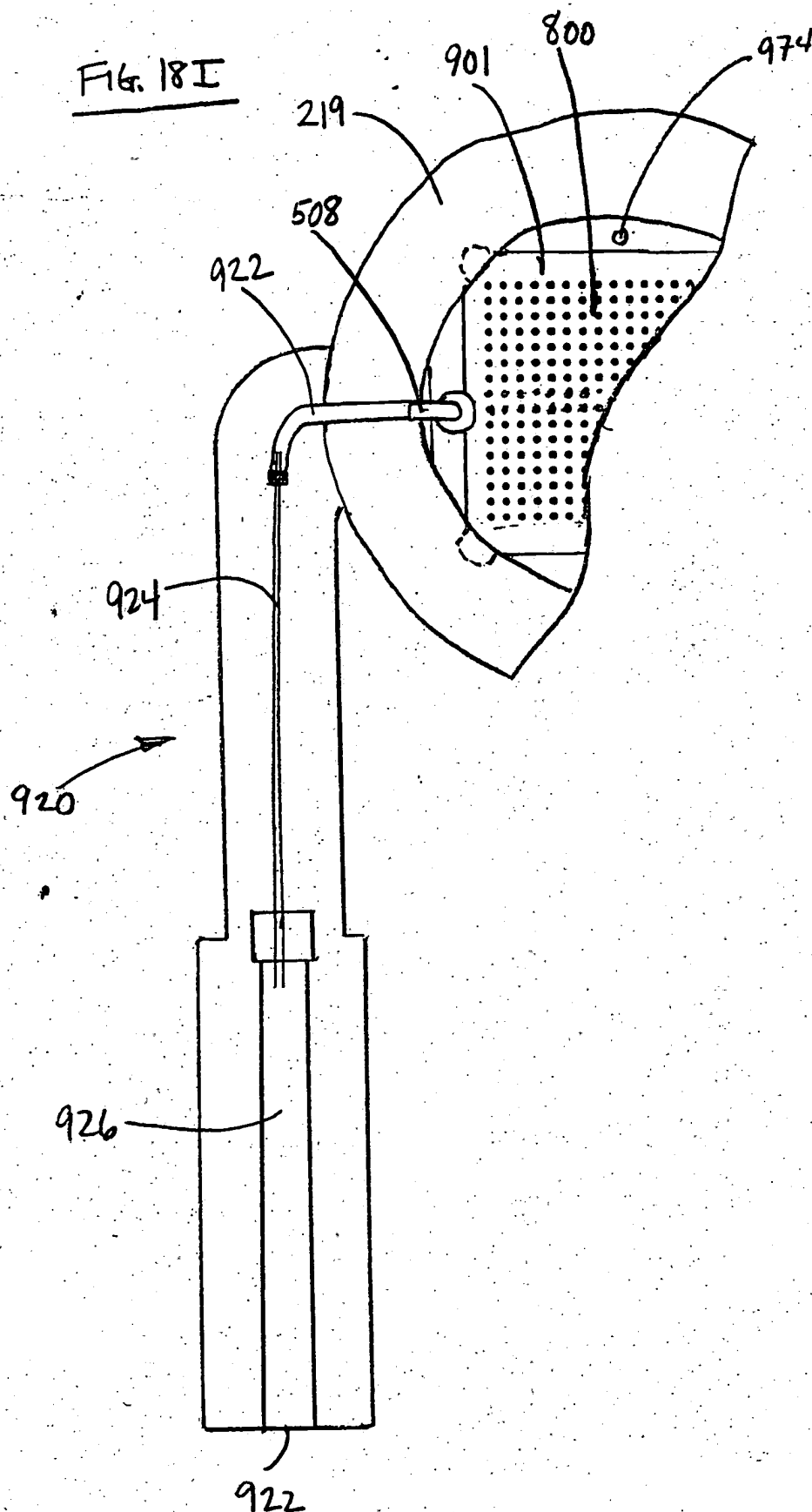
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FIG. 18I



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FIG. 18J

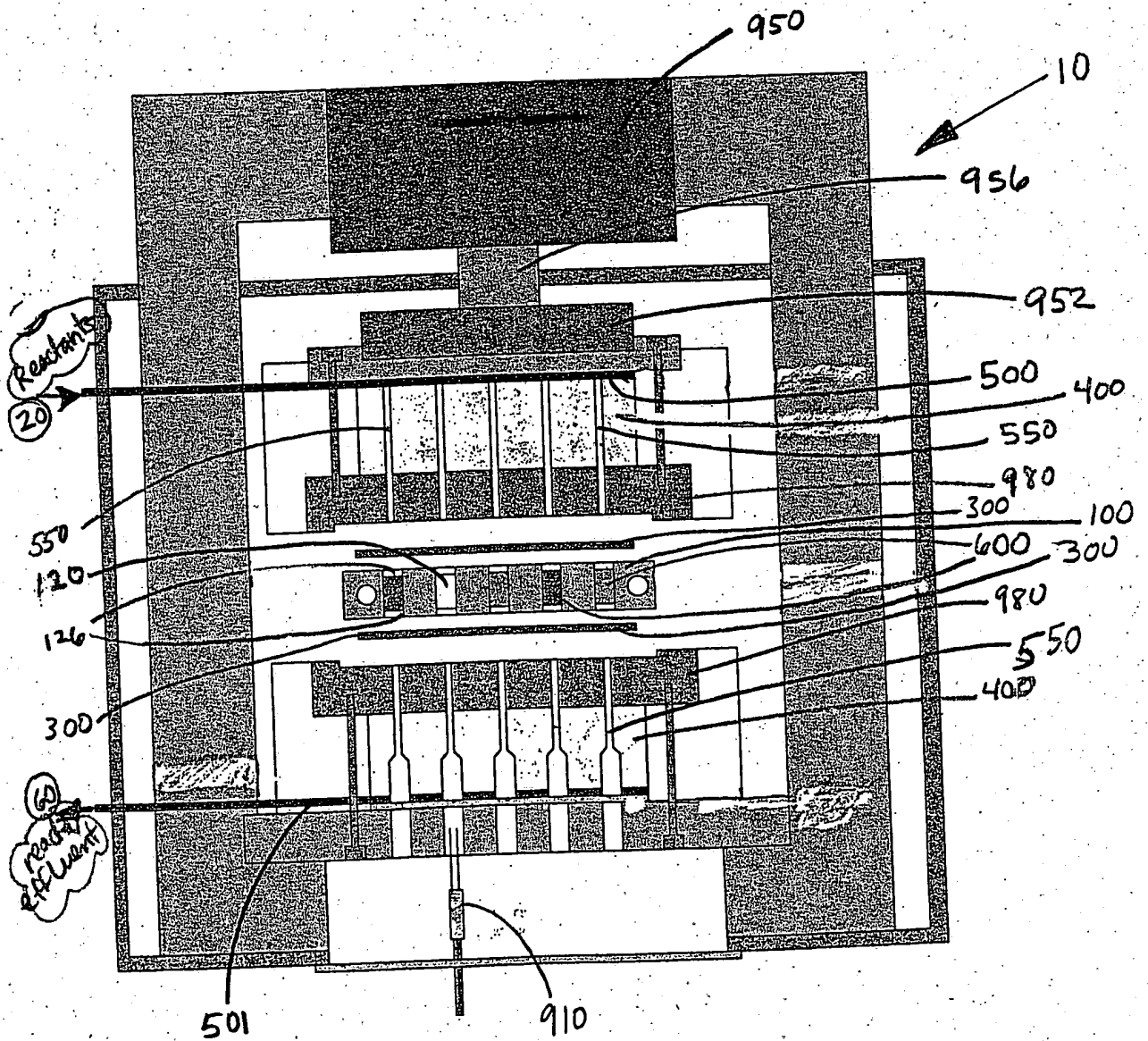


FIG. 19A

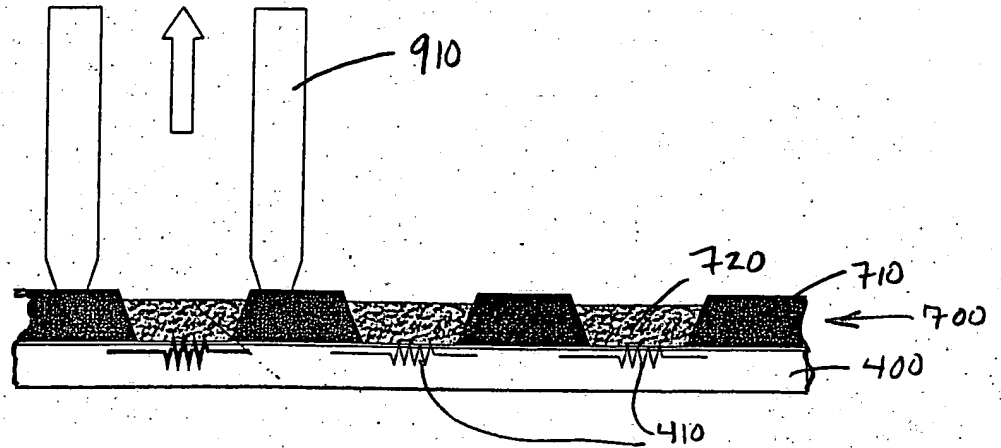


FIG. 19B

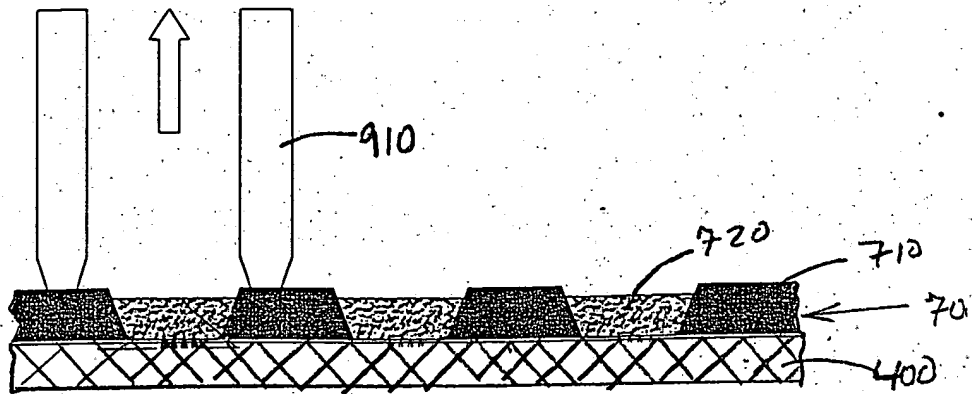
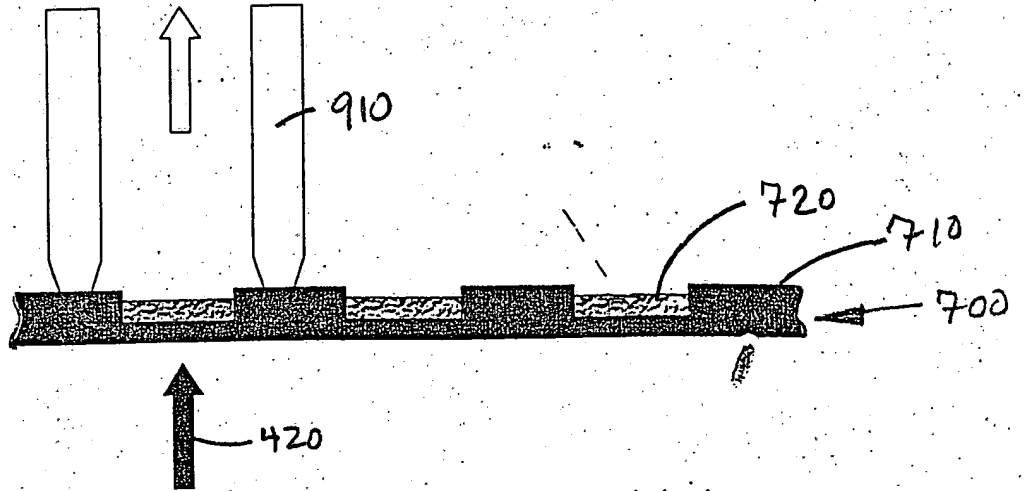


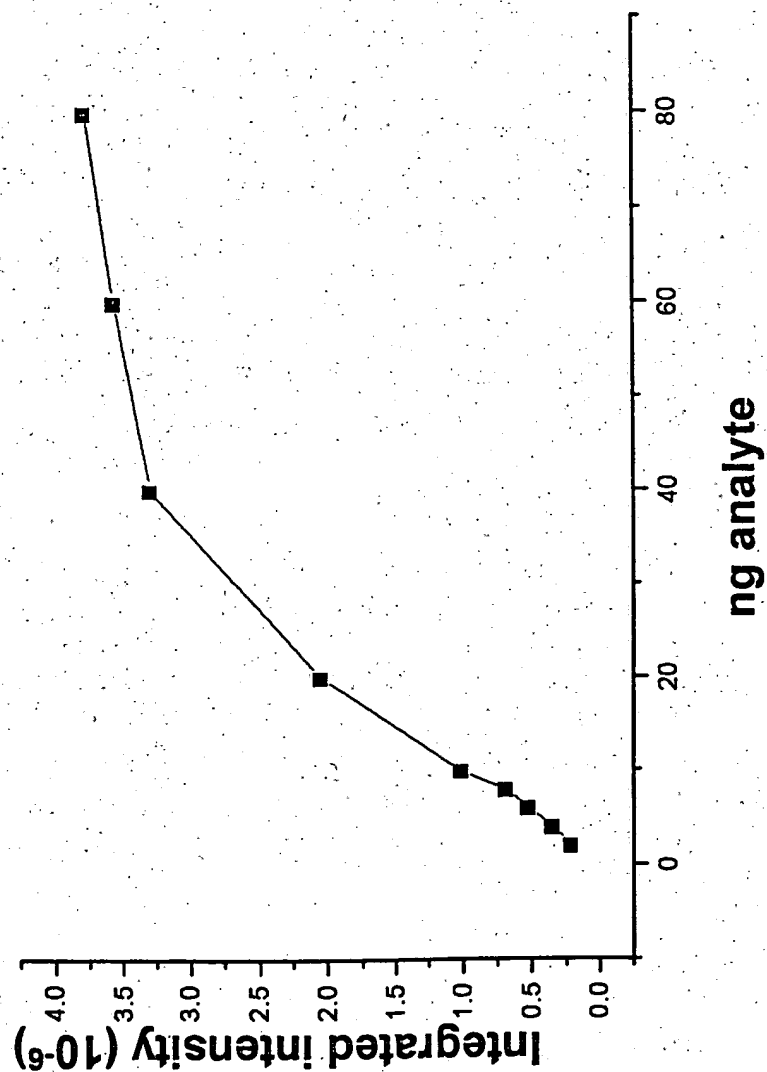
FIG. 19C





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Fig. 20A

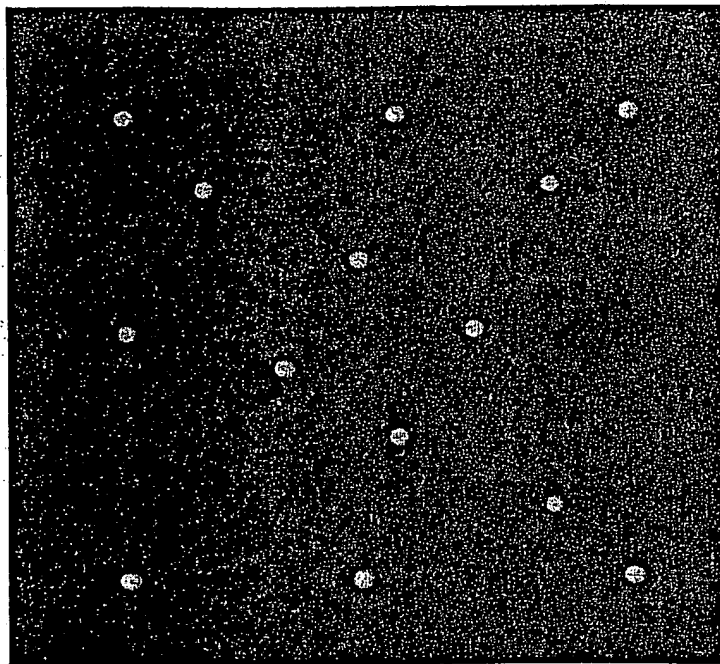


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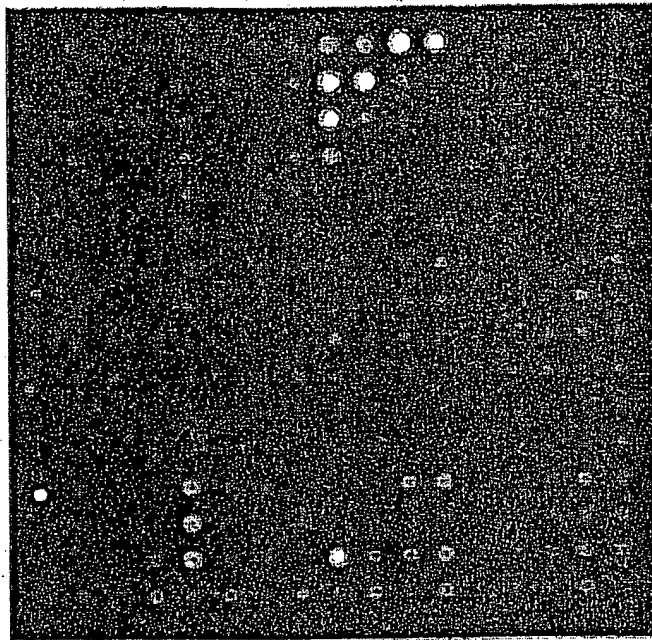
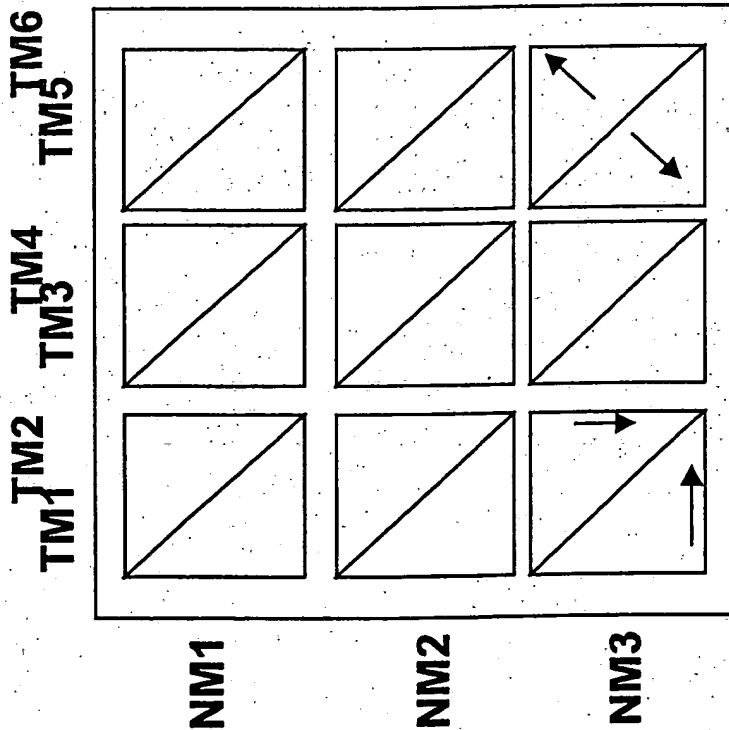
FIG. 20C



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Fig. 20 D



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D1 D2 D3 D4 D5 D6

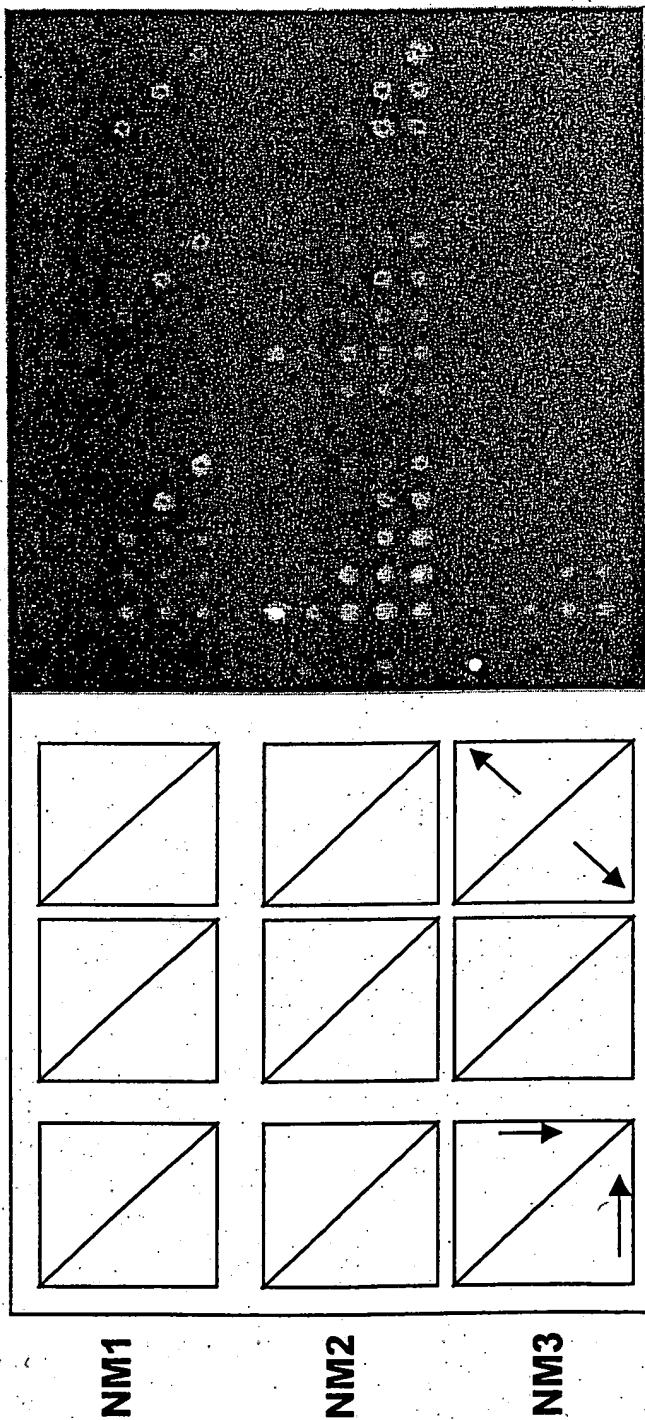


Fig. 20 F

$ZrO_2$	$SiO_2$	$Al_2O_3$
$TiO_2$	$SiO_2$	$Al_2O_3$
$TiO_2$	$\alpha-Al_2O_3$	$\gamma-Al_2O_3$

